

G1

G2

G3

G4 H,CN,N,X,Ak,[@1],[@2]

Structure attributes must be viewed using STN Express query preparation.

=&gt; s l1 full

FULL SEARCH INITIATED 18:04:53 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 506 TO ITERATE

100.0% PROCESSED 506 ITERATIONS  
SEARCH TIME: 00.00.01

4 ANSWERS

L2 4 SEA SSS FUL L1

=&gt; fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

167.38

167.59

FILE 'CAPLUS' ENTERED AT 18:05:43 ON 26 JUL 2006

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FILE COVERS 1907 - 26 Jul 2006 VOL 145 ISS 5

FILE LAST UPDATED: 25 Jul 2006 (20060725/ED)

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<http://www.cas.org/infopolicy.html>

=> s 12

L3                    3 L2

=> d ibib abs hitstr 1-3

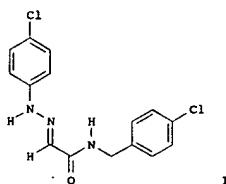
L3 ANSWER 1 OF 3 CAPIUS COPYRIGHT 2006 ACS on STN  
 2003:57070, CAPIUS  
 ACCESSION NUMBER: 139:129416  
 DOCUMENT NUMBER:  
 TITLE: Insecticides containing active hydrazone derivatives and novel hydrazone derivatives  
 INVENTOR(S): Kawata, Shinji; Okui, Shuko; Suzuki, Shigeru; Fukuchi, Toshiki  
 PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan; Suwa, Akiyuki  
 SOURCE: PCT Int. Appl., 121 pp.  
 CODEN: PIXXDZ  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003059064	A1	20030724	WO 2003-JP152	20030110
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
JP 2004091451	A2	20040325	JP 2002-262256	20020909
AU 2003201856	A1	20030730	AU 2003-201856	20030110
EP 1470752	A1	20041027	EP 2003-7051	20030110
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
NZ 534175	A	20050624	NZ 2005-534175	20030110
US 2005203149	A1	20050915	US 2004-500925	20040727
PRIORITY APPL. INFO.:			JP 2002-3930	A 20020110
			JP 2002-158275	A 20020708
			JP 2002-262256	A 20020909
			WO 2003-JP152	W 20030110

OTHER SOURCE(S): MHPAT 139:129416  
 GI

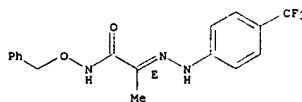
Instant

L3 ANSWER 1 OF 3 CAPIUS COPYRIGHT 2006 ACS on STN (Continued)



AB Insecticides contain as the active ingredient novel hydrazone deriva. represented by the formula AX1NN:CZC(Y)NX2WQ, wherein A and Q are each aryl or heterocyclyl; W is O, aminylene, alkylene, oxyalkylene, or alkyleneoxy; X1 and X2 are each H, alkyl, alkenyl, alkynyl, aryl, heterocyclyl, formyl, acyl, alkoxycarbonyl, aryloxy carbonyl, heterocyclyloxy carbonyl, alkylsulfinyl, arylsulfinyl, heterocyclylsulfinyl, alkylsulfonyl, arylsulfonyl, or heterocyclylsulfonyl;  
 Y is O or S; and Z is H, halo, cyano, alkyl, alkenyl, alkynyl, amino, alkoxy, or alkylthio, with the proviso that each group may be substituted.  
 Thus, I at 500 ppm showed 100% insecticidal activity against cabbage moth (Plutella) larvae.  
 IT 565214-10-0 565214-11-1  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (insecticides containing novel hydrazone derivs.)  
 RN 565214-10-0 CAPIUS  
 CN Propanamide, N-(phenylmethoxy)-2-[(4-(trifluoromethyl)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

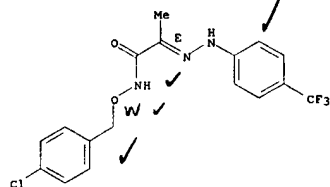
Double bond geometry as shown.



RN 565214-11-1 CAPIUS  
 CN Propanamide, N-[(4-chlorophenyl)methoxy]-2-[(4-(trifluoromethyl)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L3 ANSWER 1 OF 3 CAPIUS COPYRIGHT 2006 ACS on STN (Continued)



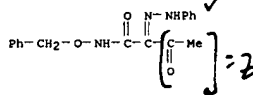
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L3 ANSWER 2 OF 3 CAPIUS COPYRIGHT 2006 ACS on STN

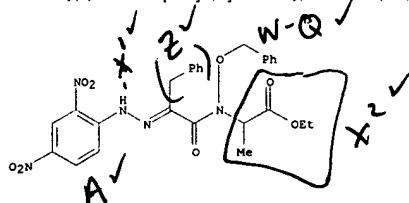
ACCESSION NUMBER: 1972:526375 CAPIUS  
 DOCUMENT NUMBER: 77:126375  
 TITLE: Ketene and its derivatives. XLVIII. Reaction of diketene with hydroxylamine  
 AUTHOR(S): Kato, Tetsuzo; Katagiri, Nobuya; Minami, Nobuyoshi  
 CORPORATE SOURCE: Pharm. Inst., Tohoku Univ., Yamanaka, Japan  
 SOURCE: Chemical & Pharmaceutical Bulletin (1972), 20(7), 1368-73  
 CODEN: CPBTAL; ISSN: 0009-2363  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB The reaction of diketene with hydroxylamines was reinvestigated. NH2OH, O-methylhydroxylamine and O-benzylhydroxylamine reacted with 2 equivalents of diketene in the presence of Et3N to give the corresponding 1-substituted 5-acetyl-6-hydroxy-4-methyl-2(1H)-pyridones; i.e., 1-hydroxy, 1-methoxy, and 1-benzoyloxy derivs. Treatment of O-benzylhydroxylamine with an equimolar amount of diketene in the absence of Et3N yielded O-benzylacetoacetohydroxamic acid (I) in good yield. Catalytic reduction of I with Pd-C afforded an oily substance, which was treated with dry HCl to give 3-hydroxy-5-methylisoxazole.

IT 37030-07-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 37030-07-2 CAPIUS  
 CN Butanamide, 3-oxo-2-(phenylhydrazone)-N-(phenylmethoxy)- (9CI) (CA INDEX NAME)



L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1969:68254 CAPLUS  
DOCUMENT NUMBER: 70:68254  
TITLE: Reaction of N-( $\alpha$ -acetoxycinnamoyl)-N-hydroxy  
derivatives of DL-alanine esters. Formation of  
imidazolidinone and its transformations into  
pyrrolidinedione and oxazolidinone  
AUTHOR(S): Chigira, Yasuhiro; Masaki, Mitsuo; Ohta, Masaki  
CORPORATE SOURCE: Tokyo Inst. Technol., Tokyo, Japan  
SOURCE: Bulletin of the Chemical Society of Japan (1969),  
42(1), 228-32  
CODEN: BCSJAS; ISSN: 0009-2673  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 70:68254  
AB Treatment of N-benzyloxy-DL-alanine Et ester with  $\alpha$ -acetoxycinnamoyl  
chloride (I) gave N-( $\alpha$ -acetoxycinnamoyl)-N-benzyloxy-DL-alanine Et  
ester (III), which was treated with aqueous NaHCO<sub>3</sub>, piperidine or HONH<sub>2</sub> to  
afford N-benzyloxy-N-(phenylpyruvoyl)-DL-alanine Et ester (III).  
Reaction  
of III or II with NH<sub>3</sub> afforded 5-benzylidene-2-methyl-4-oxo-2-  
imidazolidinecarboxylic acid which was transformed into  
5-methyl-4-phenyl-2,3-pyrrolidinedione (IV) by treatment with NaOH and  
into methyl 5-benzylidene-2-methyl-4-oxo-2-oxazoli-dinecarboxylate by  
treatment with methanolic HCl. IV was also derived from III or II by  
treatment with NaOH. N-( $\alpha$ -Acetoxycinnamoyl)-N-hydroxy-DL-alanine  
tert-Bu ester prepared from N-hydroxy-DL-alanine tert-Bu ester and I, was  
treated with aqueous NaOH to give tert-Bu 5-benzylidene-2-methyl-4-oxo-2-  
oxazoli-dinecarboxylate.  
IT 21622-73-1P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 21622-73-1 CAPLUS  
CN Alanine, N-(benzyloxy)-N-(phenylpyruvoyl)-, ethyl ester,  
2-[(2,4-dinitrophenyl)hydrazono], DL- [8CI] (CA INDEX NAME)



STN - Registry / Caplus (2)

10/500,925

07/26/2006

1-2   1-5   1-22   2-3   2-4   4-8   5-6   6-7   8-9   9-11   15-17   16-18

exact/norm bonds :

1-5 1-22 2-3 2-4 4-8 5-6 6-7 8-9 9-11 15-17 16-18

exact bonds :

1-2

G2: O, Ak

G3:H,N,CN,X,Ak,[\*1],[\*2]

Match level :

```
1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:Atom  8:CLASS  9:CLASS
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11:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS 22:CLASS
```

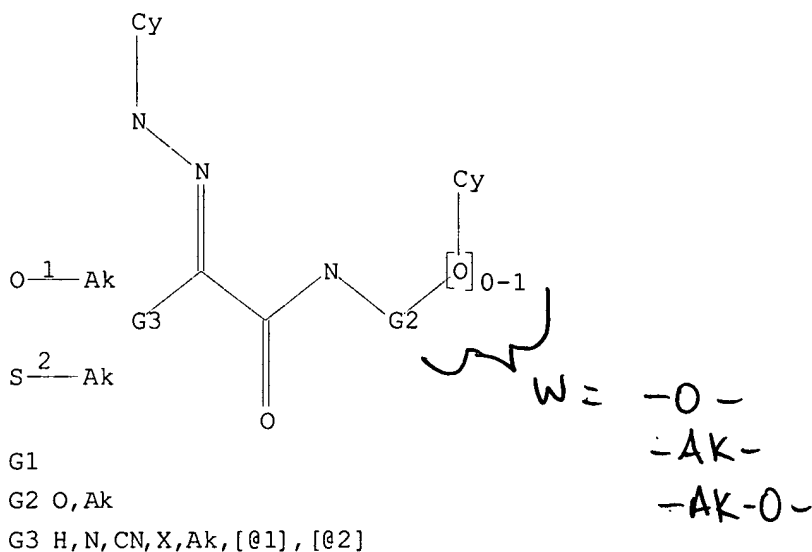
L1

STRUCTURE UPLOADED

$$\Rightarrow \alpha$$

L1 HAS NO ANSWERS

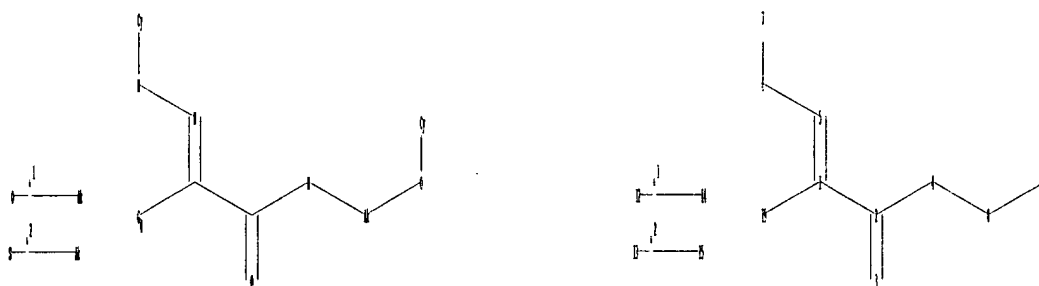
L1 STR



Structure attributes must be viewed using STN Express query preparation.

 $\Rightarrow$ 

Uploading C:\Program Files\Stnexp\Queries\10500925\9.str



chain nodes :

1 2 3 4 5 6 7 8 9 11 12 13 14 15 19

chain bonds :

1-2 1-5 1-19 2-3 2-4 4-8 5-6 6-7 8-9 9-11 12-14 13-15

exact/norm bonds :

1-5 1-19 2-3 2-4 4-8 5-6 6-7 8-9 9-11 12-14 13-15

exact bonds :

1-2

G4:H,CN,N,X,Ak, [\*1], [\*2]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:CLASS 9:CLASS

11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 19:CLASS

L2 STRUCTURE UPLOADED

=> d

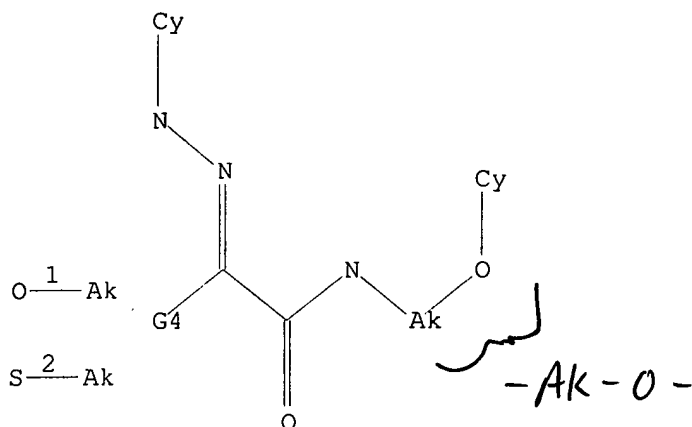
L2 HAS NO ANSWERS

L2 STR

L2

10/500,925

07/26/2006



X - See other search  
for  
N-O-AK

G1  
G2  
G3  
G4 H, CN, N, X, Ak, [ @1 ], [ @2 ]

Structure attributes must be viewed using STN Express query preparation.

```
=> s ll full
FULL SEARCH INITIATED 15:53:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      54705 TO ITERATE
```

```
100.0% PROCESSED      54705 ITERATIONS                      474 ANSWERS
SEARCH TIME: 00.00.03
```

L3                    474 SEA SSS FUL L1

```
=> s 12 full
FULL SEARCH INITIATED 15:54:09 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      52753 TO ITERATE
```

```
100.0% PROCESSED      52753 ITERATIONS                      4 ANSWERS
SEARCH TIME: 00.00.03
```

L4                      4 SEA SSS FUL L2

```
=> fil caplus
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                               ENTRY      SESSION
FULL ESTIMATED COST          334.32      334.53
```

FILE 'CAPLUS' ENTERED AT 15:54:15 ON 26 JUL 2006  
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FILE LAST UPDATED: 25 Jul 2006 (20060725/ED)

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=> s 13

L5 36 L3

=> s 14

L6 1 L4

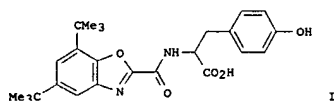
=> s 15 or 16

L7 36 L5 OR L6

=> d ibib abs hitstr 1-36

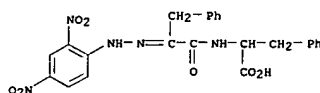


L7 ANSWER 1 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:1068816 CAPLUS  
 DOCUMENT NUMBER: 145:83257  
 TITLE: Highly lipophilic benzoxazoles with potential antibacterial activity  
 AUTHOR(S): Vinsova, Jarmila; Horak, Vaclav; Buchta, Vladimír; Kautsova, Jarmila  
 CORPORATE SOURCE: Department of Inorganic and Organic Chemistry, Faculty of Pharmacy Charles University, Hradec Kralove, 500 05, Czech Rep.  
 SOURCE: Molecules (2005), 10(7), 783-793  
 CODEN: MOLEFW; ISSN: 1420-3049  
 URL: <http://www.mdpi.org/molecules/papers/10070783.pdf>  
 PUBLISHER: Molecular Diversity Preservation International  
 DOCUMENT TYPE: Journal: (online computer file)  
 LANGUAGE: English  
 GI



AB A series of lipophilic 2-substituted 5,7-di-tert-butylbenzoxazoles, e.g., I, was prepared in average yields by the reaction of 3,5-di-tert-butyl-1,2-benzoquinone with amino acids and dipeptides bearing N-terminal glycine. Dipeptides having other N-terminal amino acids undergo oxidative deamination. 5,7-Di-tert-butylbenzoxazoles have shown activity against Mycobacterium tuberculosis and some nontuberculous strains where isoniazid has been inactive. Antifungal activity was mediocre.  
 IT 892550-60-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and characterization of keto(acyl)amino acids via Corey oxidative deamination of dipeptides carrying amino acid other than N-terminal glycine with (di)tert(butyl)benzoquinone)  
 RN 892550-60-6 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

L7 ANSWER 1 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L7 ANSWER 2 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2004:1035670 CAPLUS  
 DOCUMENT NUMBER: 142:24636  
 TITLE: Azo dye and its tautomer  
 INVENTOR(S): Arioka, Daisuke; Fujita, Akinori  
 PATENT ASSIGNEE(S): Fujii Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 57 pp.  
 CODEN: JKOXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004339273	A2	20041202	JP 2003-134490	20030513
PRIORITY APPLN. INFO.:			JP 2003-134490	20030513

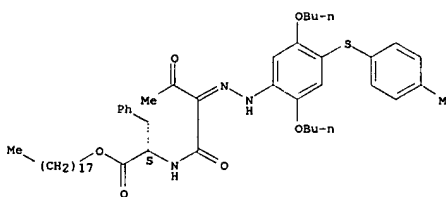
OTHER SOURCE(S): CASREACT 142:24636; MARPAT 142:24636  
 GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

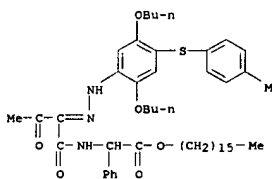
AB The azo dye and tautomer, useful for thermal transfer printing, ink-jet printing, etc., are those represented as  
 R11C(O)C(C(=NNHAr1)C(O)NHC(R12)(R13)C(O)Y (R11 = alkyl, aryl, alkoxy, alkylamino, anilino; R12, R13 = H, alkyl, aryl; Y = alkoxy, alkylamino, anilino; Ar1 = aryl, heterocycle). Thus, reacting of phenylalanine, stearyl alc., and methanesulfonic acid, reacting of resulted phenylglycine-type ester and ketene dimer, and reacting of resulted coupler and a diazonium salt I gave the dye II ( $\lambda_{max}$  452 nm).  
 IT 799246-10-9P 799246-12-1P  
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (preparation of azo dye (tautomer))  
 RN 799246-10-9 CAPLUS  
 CN L-Phenylalanine,  
 N-[2-[[2,5-dibutoxy-4-[(4-methylphenyl)thio]phenyl]hydrazono]-1,3-dioxobutyl]-, octadecyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

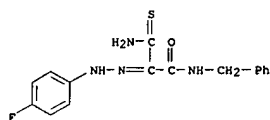
L7 ANSWER 2 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



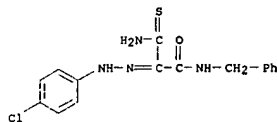
RN 799246-12-1 CAPLUS  
 CN Benzeneacetic acid,  $\alpha$ -[[2-[[2,5-dibutoxy-4-[(4-methylphenyl)thio]phenyl]hydrazono]-1,3-dioxobutyl]amino]-, hexadecyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 3 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2004:839047 CAPLUS  
 DOCUMENT NUMBER: 142:336301  
 TITLE: Oxidative cyclization of  
 2-arylhydrazonothioacetamides  
 AUTHOR(S): Vasil'eva, M. L.; Mukhacheva, M. V.; Bel'skaya, N. P.;  
 CORPORATE SOURCE: Bakulev, V. A.; Anderson, R. J.; Groundwater, P. V.  
 Ural State Technical University, Yekaterinburg,  
 620002, Russia  
 SOURCE: Russian Journal of Organic Chemistry (Translation of  
 Zhurnal Organicheskoi Khimii) (2004), 40(6), 818-828  
 CODEN: RJOCEQ; ISSN: 1070-4280  
 PUBLISHER: MAIK Nauka/Interperiodica Publishing  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 142:336301  
 AB Intramol. oxidative cyclization of 2-arylhydrazonothioacetamides was  
 studied, and applicability limits of this reaction for the synthesis of  
 2-aryl-1,2,3-thiadiazol-5(2H)-imines were determined  
 IT 848391-11-7 848391-18-4 848391-25-3  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (oxidative cyclization of 2-arylhydrazonothioacetamides to  
 2-aryl-1,2,3-thiadiazol-5(2H)-imines)  
 RN 848391-11-7 CAPLUS  
 CN Propanamide, 3-amino-2-[(4-fluorophenyl)hydrazono]-N-(phenylmethyl)-3-  
 thioxo- (9CI) (CA INDEX NAME)

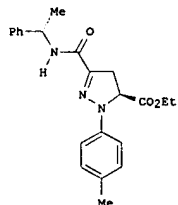


RN 848391-18-4 CAPLUS  
 CN Propanamide, 3-amino-2-[(4-chlorophenyl)hydrazono]-N-(phenylmethyl)-3-  
 thioxo- (9CI) (CA INDEX NAME)



RN 848391-25-3 CAPLUS

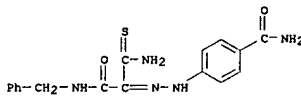
L7 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2004:270941 CAPLUS  
 DOCUMENT NUMBER: 141:23469  
 TITLE: The first case of diastereoselective cycloadditions  
 of  
 enantiopure nitrilimines in aqueous media  
 AUTHOR(S): Molteni, Giorgio  
 CORPORATE SOURCE: Dipartimento di Chimica Organica e Industriale,  
 Universita degli Studi di Milano, Milan, 20133, Italy  
 SOURCE: Tetrahedron: Asymmetry (2004), 15(7), 1077-1079  
 CODEN: TASYE3; ISSN: 0957-4166  
 PUBLISHER: Elsevier Science B.V.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 141:23469  
 GI



AB The diastereoselective cycloaddn. of enantiopure nitrilimines with Et  
 acrylate were exploited in dry toluene and in aqueous sodium hydrogen  
 carbonate as reaction media. Shorter reaction times and improved  
 diastereoisomeric ratios of the resulting 5-ethoxycarbonyl-4,5-  
 dihydropyrazoles, e.g., 1, were observed in aqueous media.  
 IT 700358-71-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (stereoselective preparation of N-tolylidihydropyrazoledicarboxylic  
 acid via  
 stereoselective dipolar heterocycloaddn. of chiral N-(tolyl)oxo(α-  
 methylbenzylamino)ethanehydrazonoyl chloride with Et acrylate followed  
 by hydrolysis)  
 RN 700358-71-0 CAPLUS  
 CN Ethanehydrazonoyl chloride, N-(4-methylphenyl)-2-oxo-2-[(1S)-1-  
 phenylethylamino]- (9CI) (CA INDEX NAME)

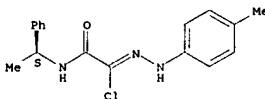
Absolute stereochemistry.  
 Double bond geometry unknown.

L7 ANSWER 3 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 CN Benzamide, 4-[(2-amino-1-[(phenylmethyl)amino]carbonyl)-2-  
 thioxoethylidene]hydrazino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR  
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 FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

L7 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



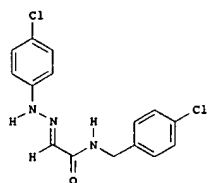
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR  
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L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2003:570701 CAPLUS  
 DOCUMENT NUMBER: 139:129416  
 TITLE: Insecticides containing active hydrazone derivatives and novel hydrazone derivatives  
 INVENTOR(S): Kawata, Shinji; Okui, Shuko; Suzuk, Shigeru; Fukuchi, Toshiki  
 PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan; Suwa, Akiyuki  
 SOURCE: PCT Int. Appl., 121 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003059064	A1	20030724	WO 2003-JP152	20030110
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2004091451	A2	20040325	JP 2002-262256	20020909
AU 2003201856	A1	20030730	AU 2003-201856	20030110
EP 1470752	A1	20041027	EP 2003-200517	20030110
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, I, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, HR, BG, CZ, EE, HU, SK				
NZ 534175	A	20050624	NZ 2003-534175	20030110
US 2005203149	A1	20050915	US 2004-500925	20040727
PRIORITY APPLN. INFO.:			JP 2002-3830	A 20020110
			JP 2002-198275	A 20020708
			JP 2002-262256	A 20020909
			WO 2003-JP152	W 20030110

OTHER SOURCE(S): MARPAT 139:129416  
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L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



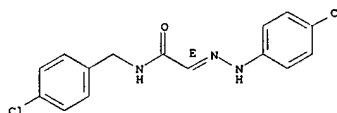
AB Insecticides contain as the active ingredient novel hydrazone derivs. represented by the formula AXINN:CEC(:Y)NX2WQ, wherein A and Q are each aryl or heterocyclyl; W is O, aminylene, alkylene, oxyalkylene, or alkyleneoxy; X1 and X2 are each H, alkyl, alkenyl, alkynyl, aryl, heterocyclyl, formyl, acyl, alkoxy, carbonyl, aryloxy, carbonyl, heterocyclyloxy, carbonyl, alkylsulfinyl, arylsulfinyl, heterocyclylsulfinyl, alkylsulfonyl, arylsulfonyl, or heterocyclylsulfonyl; Y is O or S; and Z is H, halo, cyano, alkyl, alkenyl, alkynyl, amino, alkoxy, or alkylthio, with the proviso that each group may be substituted.  
 Thus, I at 500 ppm showed 100% insecticidal activity against cabbage moth (Plutella) larvae.  
 IT 565211-28-1 565211-29-2 565211-30-5  
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L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

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 RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (insecticides contg. novel hydrazone derivs.)  
 RN 565211-28-1 CAPLUS  
 CN Acetamide, 2-[(4-chlorophenyl)hydrazone]-N-[(4-chlorophenyl)methyl]-.

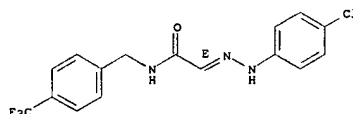
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



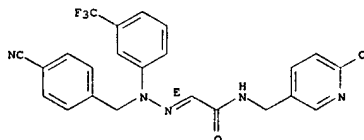
RN 565211-29-2 CAPLUS  
 CN Acetamide, 2-[(4-chlorophenyl)hydrazone]-N-[(4-(trifluoromethyl)phenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-30-5 CAPLUS  
 CN Acetamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

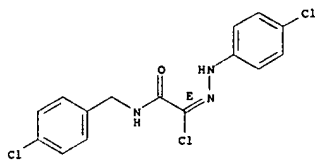
Double bond geometry as shown.



RN 565211-31-6 CAPLUS  
 CN Ethanehydrazonoyl chloride, N-(4-chlorophenyl)-2-[[4-(trifluoromethyl)phenyl]amino]-2-oxo-, (1E)- (9CI) (CA INDEX NAME)

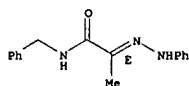
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



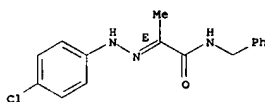
RN 565211-33-8 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-(phenylmethyl)-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-34-9 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-(phenylmethyl)-, (2E)-(9CI) (CA INDEX NAME)

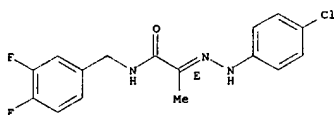
Double bond geometry as shown.



RN 565211-35-0 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)hydrazono]-2-[(4-(trifluoromethyl)phenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

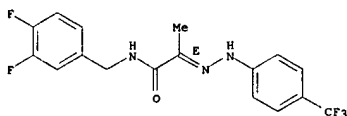
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



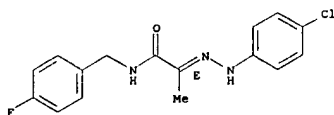
RN 565211-39-4 CAPLUS  
 CN Propanamide, N-[(3,4-difluorophenyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



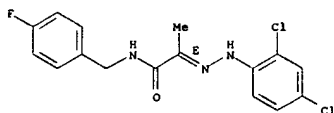
RN 565211-40-7 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-fluorophenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

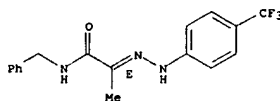


RN 565211-41-8 CAPLUS  
 CN Propanamide, 2-[(2,4-dichlorophenyl)hydrazono]-N-[(4-fluorophenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

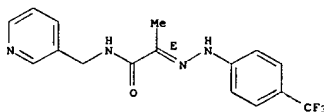


L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



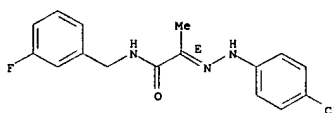
RN 565211-36-1 CAPLUS  
 CN Propanamide, N-(3-pyridinylmethyl)-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-37-2 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(3-fluorophenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



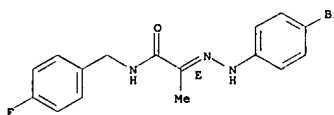
RN 565211-38-3 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(3,4-difluorophenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

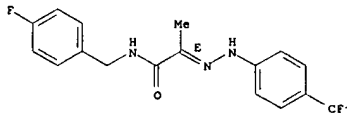
RN 565211-42-9 CAPLUS  
 CN Propanamide, 2-[(4-bromophenyl)hydrazono]-N-[(4-fluorophenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



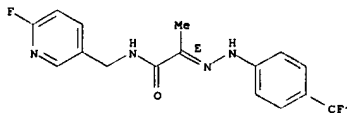
RN 565211-43-0 CAPLUS  
 CN Propanamide, N-[(4-fluorophenyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-44-1 CAPLUS  
 CN Propanamide, N-[(6-fluoro-3-pyridinyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

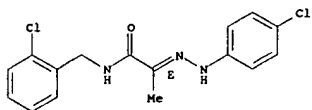
Double bond geometry as shown.



RN 565211-45-2 CAPLUS  
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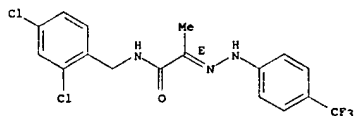
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



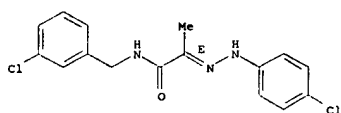
RN 565211-46-3 CAPLUS  
 CN Propanamide, N-[(2,4-dichlorophenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-47-4 CAPLUS  
 CN Propanamide, 2-[[4-chlorophenyl]hydrazono]-N-[(3-chlorophenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

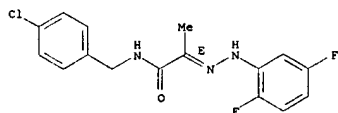
Double bond geometry as shown.



RN 565211-48-5 CAPLUS  
 CN Propanamide, 2-[[4-bromophenyl]hydrazono]-N-[(3-chlorophenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

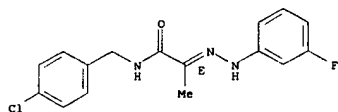
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



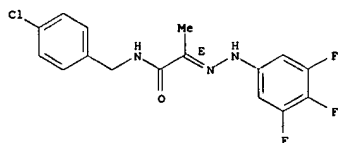
RN 565211-52-1 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(3-fluorophenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-53-2 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(3,4,5-trifluorophenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

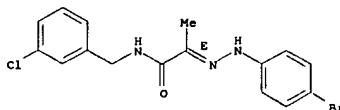
Double bond geometry as shown.



RN 565211-54-3 CAPLUS  
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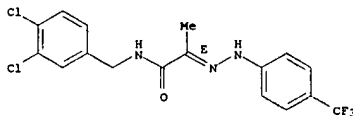
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



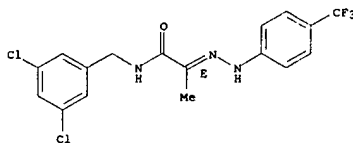
RN 565211-49-6 CAPLUS  
 CN Propanamide, N-[(3,4-dichlorophenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-50-9 CAPLUS  
 CN Propanamide, N-[(3,5-dichlorophenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

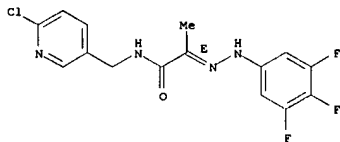
Double bond geometry as shown.



RN 565211-51-0 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(2,5-difluorophenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

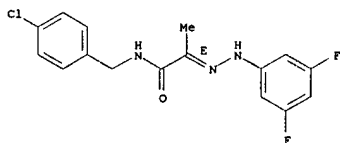
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



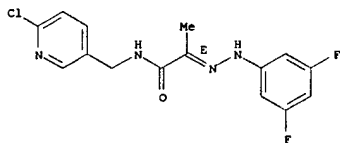
RN 565211-55-4 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(3,5-difluorophenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-56-5 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3,5-difluorophenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

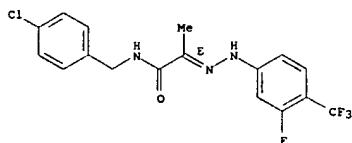
Double bond geometry as shown.



RN 565211-57-6 CAPLUS  
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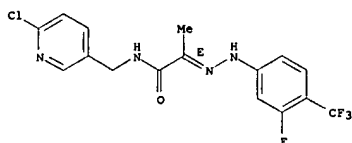
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



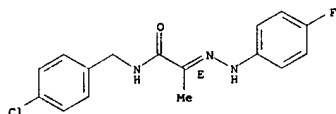
RN 565211-58-7 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3-fluoro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-59-8 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-fluorophenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

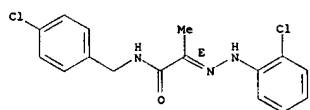
Double bond geometry as shown.



RN 565211-60-1 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-fluorophenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

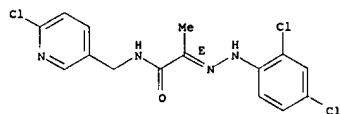
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



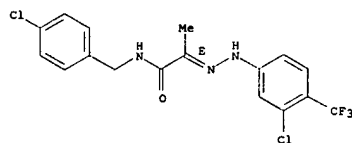
RN 565211-64-5 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2,4-dichlorophenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-65-6 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3-chloro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

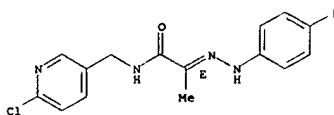
Double bond geometry as shown.



RN 565211-66-7 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3-chloro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

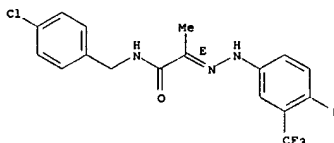
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



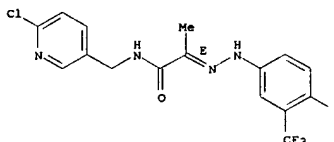
RN 565211-61-2 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-fluoro-3-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-62-3 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-fluoro-3-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

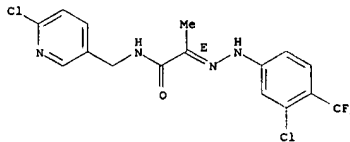
Double bond geometry as shown.



RN 565211-63-4 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-fluoro-3-(trifluoromethyl)phenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

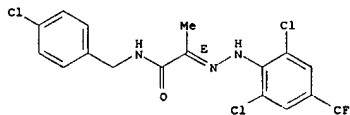
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



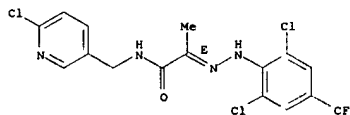
RN 565211-67-8 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2,6-dichloro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-68-9 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2,6-dichloro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

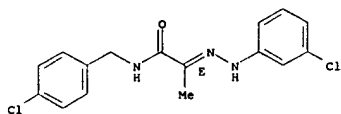
Double bond geometry as shown.



RN 565211-69-0 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2,6-dichloro-4-(trifluoromethyl)phenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

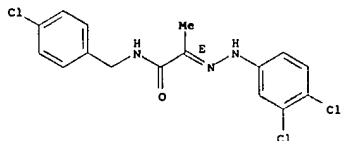
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



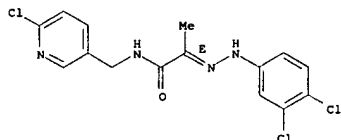
RN 565211-70-3 CAPLUS  
CN Propanamide,  
N-[(4-chlorophenyl)methyl]-2-[(3,4-dichlorophenyl)hydrazono]-,  
(2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-71-4 CAPLUS  
CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3,4,5-dichlorophenyl)hydrazono]-,  
(2E)- (9CI) (CA INDEX NAME)

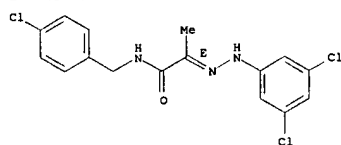
Double bond geometry as shown.



RN 565211-72-5 CAPLUS  
CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(3,4,5-trichlorophenyl)hydrazono]-,  
(2E)- (9CI) (CA INDEX NAME)

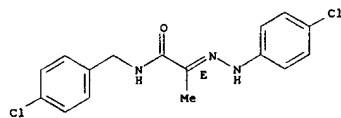
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



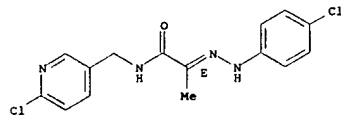
RN 565211-76-9 CAPLUS  
CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-,  
(2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



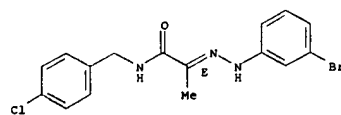
RN 565211-77-0 CAPLUS  
CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(6-chloro-3-pyridinyl)methyl]-,  
(2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

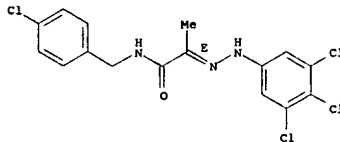


RN 565211-78-1 CAPLUS  
CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(4-cyanophenyl)hydrazono]-,  
(2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

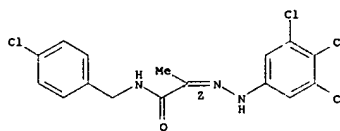


L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



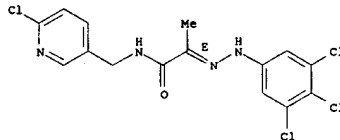
RN 565211-73-6 CAPLUS  
CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(3,4,5-trichlorophenyl)hydrazono]-,  
(2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-74-7 CAPLUS  
CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3,4,5-trichlorophenyl)hydrazono]-,  
(2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



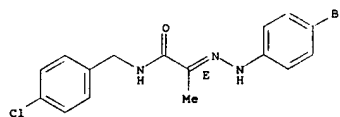
RN 565211-75-8 CAPLUS  
CN Propanamide,  
N-[(4-chlorophenyl)methyl]-2-[(3,5-dichlorophenyl)hydrazono]-,  
(2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

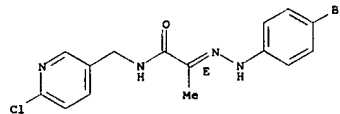
RN 565211-79-2 CAPLUS  
CN Propanamide, 2-[(4-bromophenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-,  
(2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



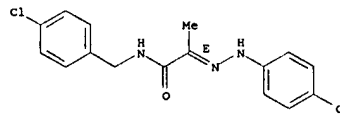
RN 565211-80-5 CAPLUS  
CN Propanamide,  
2-[(4-bromophenyl)hydrazono]-N-[(6-chloro-3-pyridinyl)methyl]-,  
(2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-81-6 CAPLUS  
CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(4-cyanophenyl)hydrazono]-,  
(2E)- (9CI) (CA INDEX NAME)

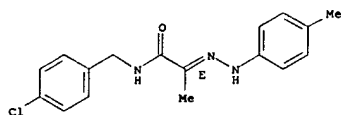
Double bond geometry as shown.



RN 565211-82-7 CAPLUS  
CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(4-methylphenyl)hydrazono]-,  
(2E)- (9CI) (CA INDEX NAME)

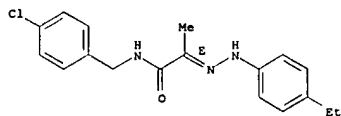
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



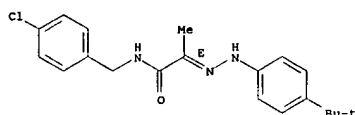
RN 565211-83-8 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(4-ethylphenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-84-9 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(1,1-dimethylethyl)phenylhydrazone]-, (2E)- (9CI) (CA INDEX NAME)

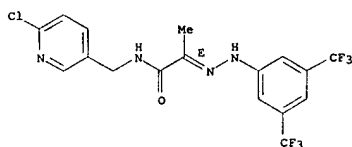
Double bond geometry as shown.



RN 565211-85-0 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(2-(trifluoromethyl)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

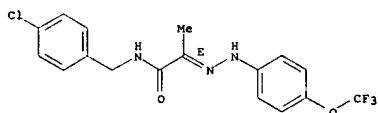
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



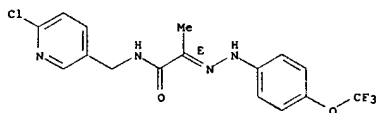
RN 565211-91-8 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(4-(trifluoromethoxy)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-92-9 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-(trifluoromethoxy)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

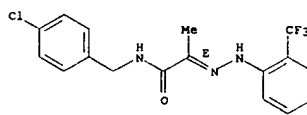
Double bond geometry as shown.



RN 565211-93-0 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(4-(trifluoromethylthio)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

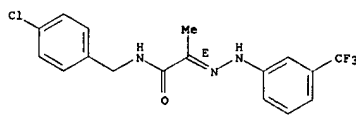
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



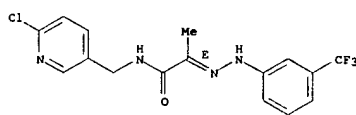
RN 565211-86-1 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(3-(trifluoromethyl)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-87-2 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3-(trifluoromethyl)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

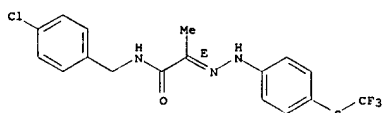
Double bond geometry as shown.



RN 565211-88-3 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3,5-bis(trifluoromethyl)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

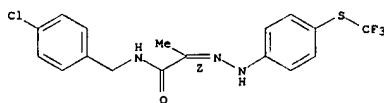
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



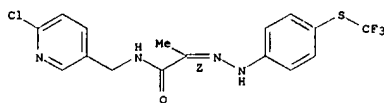
RN 565211-94-1 CAPLUS  
 CH Propanamide, N-[(4-chlorophenyl)methyl]-2-[(4-(trifluoromethylthio)phenyl)hydrazone]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



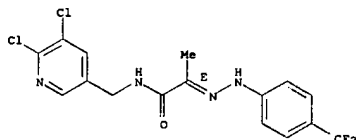
RN 565211-95-2 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-(trifluoromethylthio)phenyl)hydrazone]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565211-96-3 CAPLUS  
 CN Propanamide, N-[(5,6-dichloro-3-pyridinyl)methyl]-2-[(4-(trifluoromethylthio)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

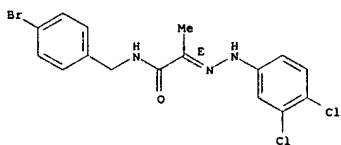
Double bond geometry as shown.





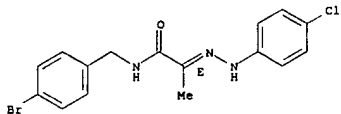
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RN 565211-97-4 CAPLUS  
 CN Propanamide,  
 N-[(4-bromophenyl)methyl]-2-[(3,4-dichlorophenyl)hydrazono]-,  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



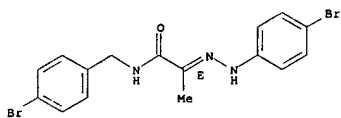
RN 565211-98-5 CAPLUS  
 CN Propanamide, N-[(4-bromophenyl)methyl]-2-[(4-chlorophenyl)hydrazono]-,  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



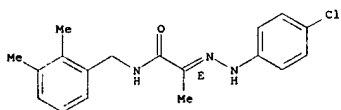
RN 565211-99-6 CAPLUS  
 CN Propanamide, 2-[(4-bromophenyl)hydrazono]-N-[(4-bromophenyl)methyl]-,  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



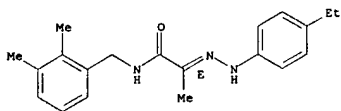
RN 565212-00-2 CAPLUS  
 CN Propanamide,  
 N-[(4-bromophenyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-,  
 (2E)- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



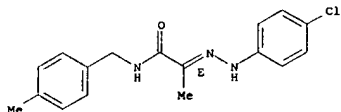
RN 565212-04-6 CAPLUS  
 CN Propanamide,  
 N-[(2,3-dimethylphenyl)methyl]-2-[(4-ethylphenyl)hydrazono]-,  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



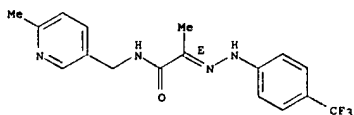
RN 565212-05-7 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-methylphenyl)methyl]-,  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

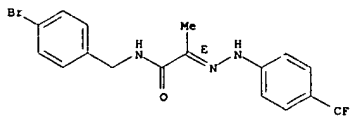


RN 565212-06-8 CAPLUS  
 CN Propanamide, N-[(6-methyl-3-pyridinyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-,  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

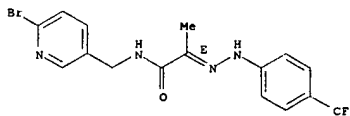


L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 Double bond geometry as shown.



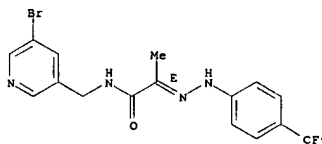
RN 565212-01-3 CAPLUS  
 CN Propanamide, N-[(6-bromo-3-pyridinyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-,  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-02-4 CAPLUS  
 CN Propanamide, N-[(5-bromo-3-pyridinyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-,  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



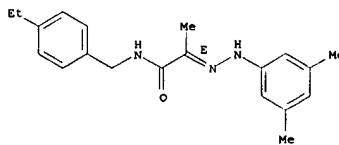
RN 565212-03-5 CAPLUS  
 CN Propanamide,  
 2-[(4-chlorophenyl)hydrazono]-N-[(2,3-dimethylphenyl)methyl]-,  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

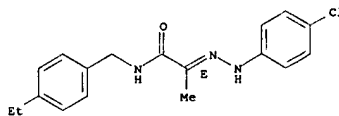
RN 565212-07-9 CAPLUS  
 CN Propanamide,  
 2-[(3,5-dimethylphenyl)hydrazono]-N-[(4-ethylphenyl)methyl]-,  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



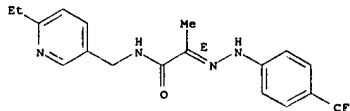
RN 565212-08-0 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-ethylphenyl)methyl]-,  
 (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-09-1 CAPLUS  
 CN Propanamide, N-[(6-ethyl-3-pyridinyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-,  
 (2E)- (9CI) (CA INDEX NAME)

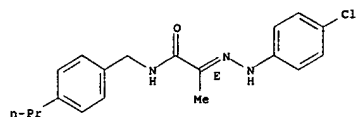
Double bond geometry as shown.



RN 565212-10-4 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-propylphenyl)methyl]-,  
 (2E)- (9CI) (CA INDEX NAME)

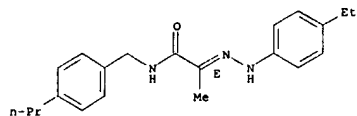
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



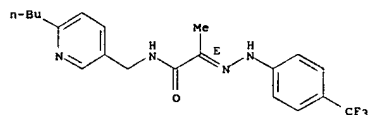
RN 565212-11-5 CAPLUS  
 CN Propanamide, 2-[(4-ethylphenyl)hydrazono]-N-[(4-propylphenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-12-6 CAPLUS  
 CN Propanamide, N-[(6-butyl-3-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

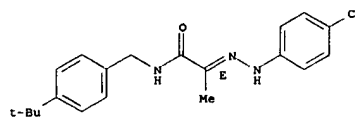
Double bond geometry as shown.



RN 565212-13-7 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[[4-(1,1-dimethylethyl)phenyl]methyl]-, (2E)-(9CI) (CA INDEX NAME)

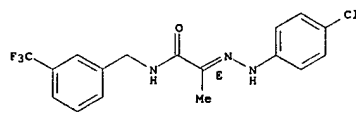
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



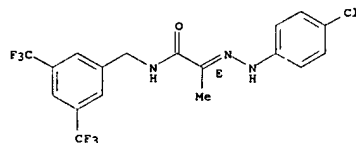
RN 565212-14-8 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[[3-(trifluoromethyl)phenyl]methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-15-9 CAPLUS  
 CN Propanamide, N-[(3,5-bis(trifluoromethyl)phenyl)methyl]-2-[(4-chlorophenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

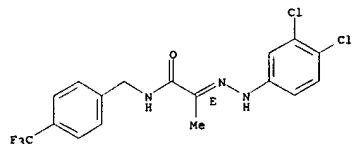
Double bond geometry as shown.



RN 565212-16-0 CAPLUS  
 CN Propanamide, 2-[(3,4-dichlorophenyl)hydrazono]-N-[[4-(trifluoromethyl)phenyl]methyl]-, (2E)-(9CI) (CA INDEX NAME)

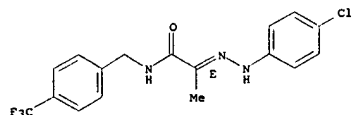
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



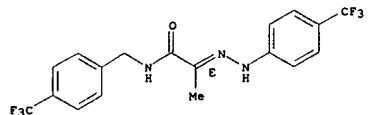
RN 565212-17-1 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[[4-(trifluoromethyl)phenyl]methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-18-2 CAPLUS  
 CN Propanamide, 2-[[4-(trifluoromethyl)phenyl]hydrazono]-N-[[4-(trifluoromethyl)phenyl]methyl]-, (2E)-(9CI) (CA INDEX NAME)

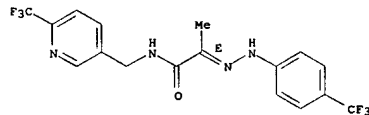
Double bond geometry as shown.



RN 565212-19-3 CAPLUS  
 CN Propanamide, 2-[[4-(trifluoromethyl)phenyl]hydrazono]-N-[[6-(trifluoromethyl)-3-pyridinyl]methyl]-, (2E)-(9CI) (CA INDEX NAME)

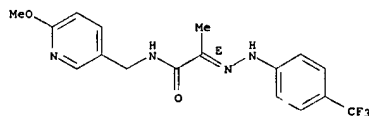
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



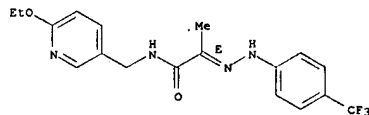
RN 565212-21-7 CAPLUS  
 CN Propanamide, N-[(6-methoxy-3-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



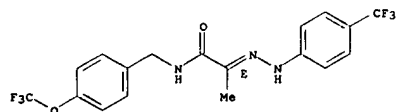
RN 565212-22-8 CAPLUS  
 CN Propanamide, N-[(6-ethoxy-3-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



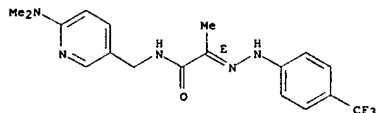
RN 565212-23-9 CAPLUS  
 CN Propanamide, N-[[4-(trifluoromethoxy)phenyl]methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



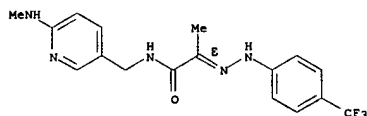
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RN 565212-24-0 CAPLUS  
 CN Propanamide, N-[[6-(dimethylamino)-3-pyridinyl]methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



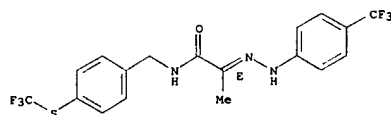
RN 565212-25-1 CAPLUS  
 CN Propanamide, N-[[6-(methylamino)-3-pyridinyl]methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-26-2 CAPLUS  
 CN Propanamide, 2-[[4-(trifluoromethyl)phenyl]hydrazone]-N-[[4-(trifluoromethyl)thiophenyl]methyl]-, (2E)- (9CI) (CA INDEX NAME)

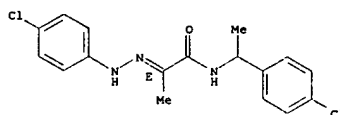
Double bond geometry as shown.



RN 565212-27-3 CAPLUS  
 CN Propanamide, N-[1-(4-chlorophenyl)ethyl]-2-[(4-chlorophenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

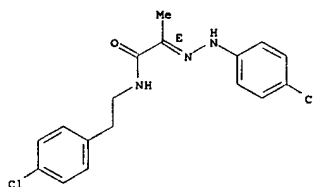
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



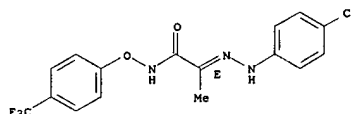
RN 565212-28-4 CAPLUS  
 CN Propanamide, N-(2-(4-chlorophenyl)ethyl)-2-[(4-chlorophenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-34-2 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazone]-N-[4-(trifluoromethyl)phenoxy]-, (2E)- (9CI) (CA INDEX NAME)

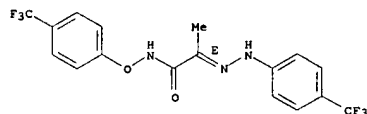
Double bond geometry as shown.



RN 565212-35-3 CAPLUS  
 CN Propanamide, N-[4-(trifluoromethyl)phenoxy]-2-[[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

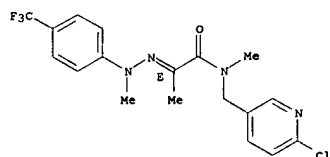
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



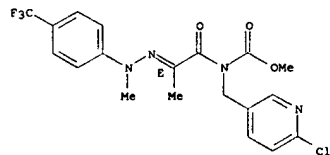
RN 565212-38-6 CAPLUS  
 CN Propanamide, N-[[6-(chloro-3-pyridinyl)methyl]-N-methyl-2-[methyl[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-39-7 CAPLUS  
 CN Carbamic acid, [[6-(chloro-3-pyridinyl)methyl][(2E)-2-[methyl[4-(trifluoromethyl)phenyl]hydrazone]-1-oxopropyl]-, methyl ester (9CI) (CA INDEX NAME)

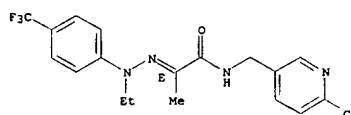
Double bond geometry as shown.



RN 565212-40-0 CAPLUS  
 CN Propanamide, N-[[6-(chloro-3-pyridinyl)methyl]-2-[ethyl[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

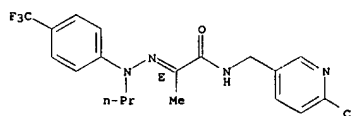
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



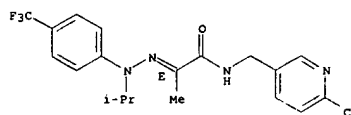
RN 565212-41-1 CAPLUS  
 CN Propanamide, N-[[6-(chloro-3-pyridinyl)methyl]-2-[propyl[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



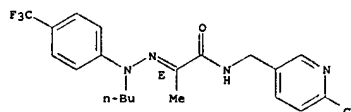
RN 565212-42-2 CAPLUS  
 CN Propanamide, N-[[6-(chloro-3-pyridinyl)methyl]-2-[(1-methylethyl)[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-43-3 CAPLUS  
 CN Propanamide, 2-[butyl[4-(trifluoromethyl)phenyl]hydrazone]-N-[[6-(chloro-3-pyridinyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

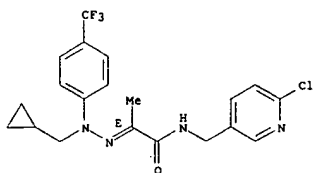
Double bond geometry as shown.



L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

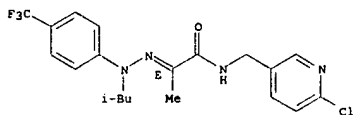
RN 565212-44-4 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(cyclopropylmethyl)[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



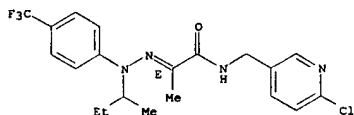
RN 565212-45-5 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2-methylpropyl)[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



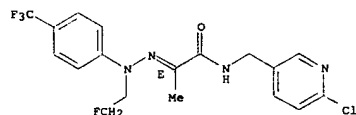
RN 565212-46-6 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(1-methylpropyl)[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



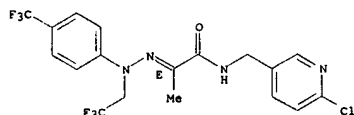
RN 565212-47-7 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[2-propenyl]-4-

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



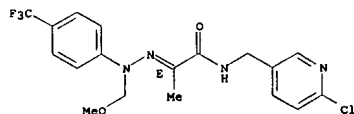
RN 565212-51-3 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2,2,2-trifluoroethyl)[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



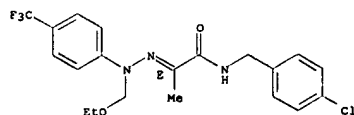
RN 565212-52-4 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(methoxymethyl)[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-53-5 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(ethoxymethyl)[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

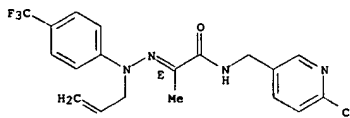
Double bond geometry as shown.



L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

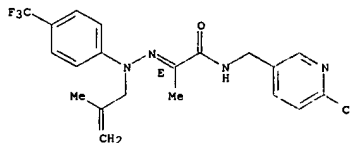
(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



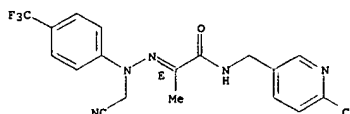
RN 565212-48-8 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2-methyl-2-propenyl)[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-49-9 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(cyanomethyl)[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-50-2 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2-fluoroethyl)[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

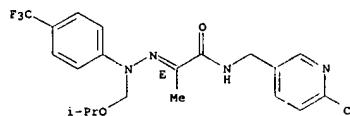
Double bond geometry as shown.



L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

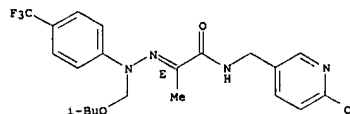
RN 565212-55-7 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(1-methylethoxy)methyl][4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



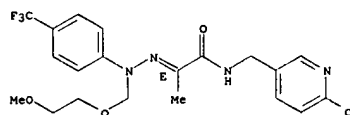
RN 565212-56-8 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2-methylpropoxy)methyl][4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-57-9 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2-methoxyethoxy)methyl][4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

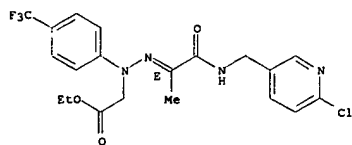
Double bond geometry as shown.



RN 565212-58-0 CAPLUS  
 CN Acetic acid, [(2E)-2-[(6-chloro-3-pyridinyl)methyl]amino]-1-methyl-2-oxoethylidene][4-(trifluoromethyl)phenyl]hydrazono]-, ethyl ester (9CI) (CA INDEX NAME)

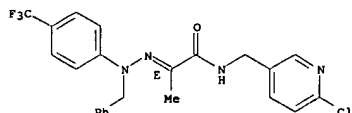
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



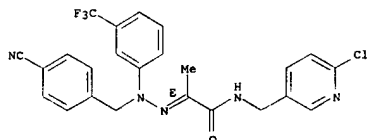
RN 565212-59-1 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(phenylmethyl)(4-(trifluoromethyl)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-60-4 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-cyanophenyl)methyl][3-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

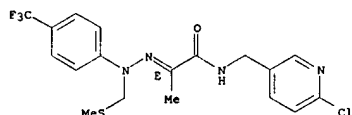


RN 565212-61-5 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-cyanophenyl)methyl][4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

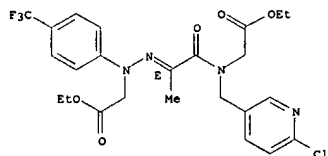
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Double bond geometry as shown.



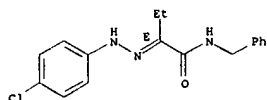
RN 565212-65-9 CAPLUS  
 CN Glycine, N-[(6-chloro-3-pyridinyl)methyl]-N-[(2E)-2-[(2-ethoxy-2-oxoethyl)[4-(trifluoromethyl)phenyl]hydrazone]-1-oxopropyl]-, ethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-66-0 CAPLUS  
 CN Butanamide, 2-[(4-chlorophenyl)hydrazone]-N-[(phenylmethyl)(4-(trifluoromethyl)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

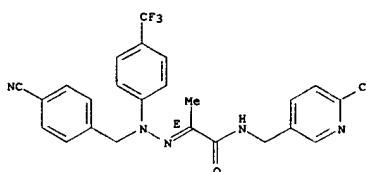
Double bond geometry as shown.



RN 565212-67-1 CAPLUS  
 CN Butanamide, N-[(4-bromophenyl)methyl]-2-[(4-chlorophenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

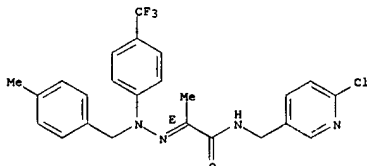
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



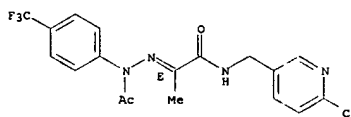
RN 565212-62-6 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-methylphenyl)methyl][4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



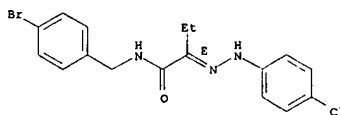
RN 565212-63-7 CAPLUS  
 CN Acetic acid, (2E)-[2-[(6-chloro-3-pyridinyl)methyl]amino]-1-methyl-2-oxoethylidene[4-(trifluoromethyl)phenyl]hydrazide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



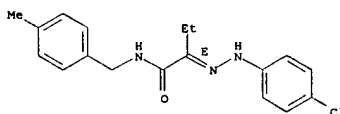
RN 565212-64-8 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(methylthio)methyl][4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



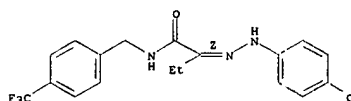
RN 565212-68-2 CAPLUS  
 CN Butanamide, 2-[(4-chlorophenyl)hydrazone]-N-[(4-methylphenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



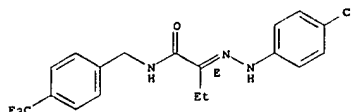
RN 565212-69-3 CAPLUS  
 CN Butanamide, 2-[(4-chlorophenyl)hydrazone]-N-[(4-(trifluoromethyl)phenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-70-6 CAPLUS  
 CN Butanamide, 2-[(4-chlorophenyl)hydrazone]-N-[(4-(trifluoromethyl)phenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

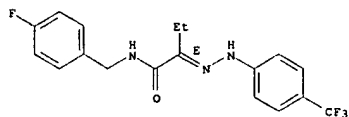
Double bond geometry as shown.



RN 565212-71-7 CAPLUS

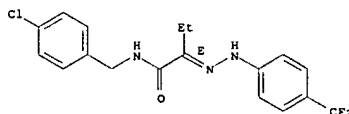
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 CN Butanamide, N-[(4-fluorophenyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



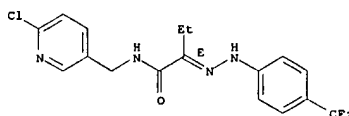
RN 565212-72-8 CAPLUS  
 CN Butanamide, N-[(4-chlorophenyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-73-9 CAPLUS  
 CN Butanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

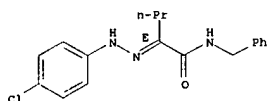
Double bond geometry as shown.



RN 565212-74-0 CAPLUS  
 CN Butanamide, 2-[(4-(trifluoromethyl)phenyl)hydrazono]-N-[(4-(trifluoromethyl)phenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

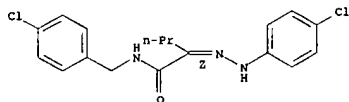
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



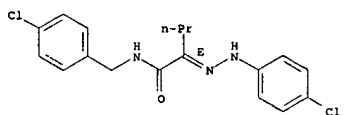
RN 565212-78-4 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



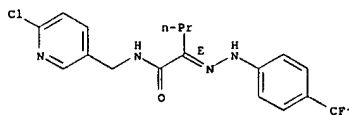
RN 565212-79-5 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



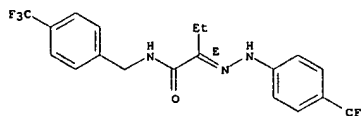
RN 565212-80-8 CAPLUS  
 CN Pentanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



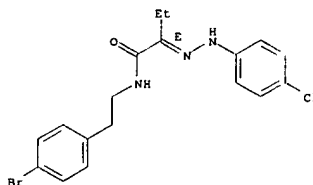
RN 565212-81-9 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-methylphenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



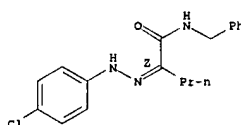
RN 565212-75-1 CAPLUS  
 CN Butanamide, N-[(4-bromophenyl)ethyl]-2-[(4-chlorophenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-76-2 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-N-(phenylmethyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



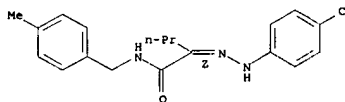
RN 565212-77-3 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-N-(phenylmethyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

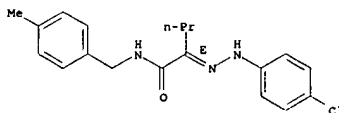
(2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



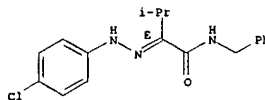
RN 565212-82-0 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-methylphenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



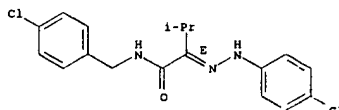
RN 565212-83-1 CAPLUS  
 CN Butanamide, 2-[(4-chlorophenyl)hydrazono]-3-methyl-N-(phenylmethyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-84-2 CAPLUS  
 CN Butanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-3-methyl-, (2E)- (9CI) (CA INDEX NAME)

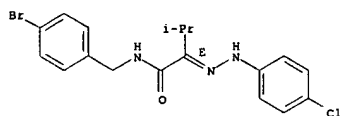
Double bond geometry as shown.



L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

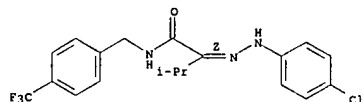
RN 565212-85-3 CAPLUS  
 CN Butanamide, N-[(4-bromophenyl)methyl]-2-[(4-chlorophenyl)hydrazono]-3-methyl-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



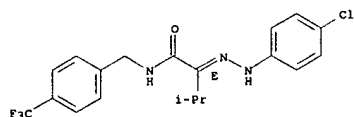
RN 565212-86-4 CAPLUS  
 CN Butanamide, 2-[(4-chlorophenyl)hydrazono]-3-methyl-N-[(4-(trifluoromethyl)phenyl)methyl]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-87-5 CAPLUS  
 CN Butanamide, 2-[(4-chlorophenyl)hydrazono]-3-methyl-N-[(4-(trifluoromethyl)phenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

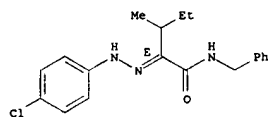
Double bond geometry as shown.



RN 565212-88-6 CAPLUS  
 CN Butanamide, N-[(4-chlorophenyl)methyl]-3-methyl-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2Z)- (9CI) (CA INDEX NAME)

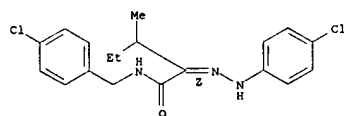
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



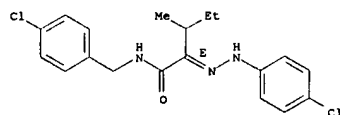
RN 565212-92-2 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-3-methyl-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



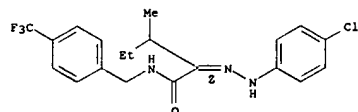
RN 565212-93-3 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-3-methyl-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

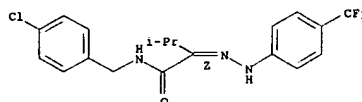


RN 565212-94-4 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-3-methyl-N-[(4-(trifluoromethyl)phenyl)methyl]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

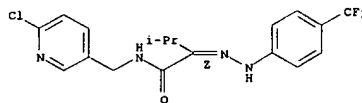


L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



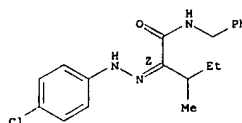
RN 565212-89-7 CAPLUS  
 CN Butanamide, N-[(6-chloro-3-pyridinyl)methyl]-3-methyl-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-90-0 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-3-methyl-N-(phenylmethyl)-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



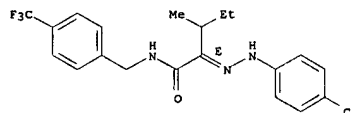
RN 565212-91-1 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-3-methyl-N-(phenylmethyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

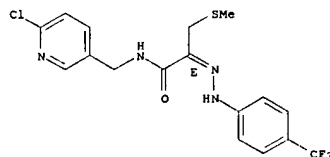
RN 565212-95-5 CAPLUS  
 CN Pentanamide, 2-[(4-chlorophenyl)hydrazono]-3-methyl-N-[(4-(trifluoromethyl)phenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



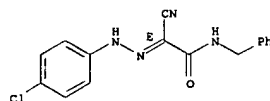
RN 565212-98-8 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-3-(methylthio)-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-99-9 CAPLUS  
 CN Acetamide, 2-[(4-chlorophenyl)hydrazono]-2-cyano-N-(phenylmethyl)-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-00-5 CAPLUS  
 CN Acetamide, 2-[(4-chlorophenyl)hydrazono]-2-cyano-N-(phenylmethyl)-, (2Z)- (9CI) (CA INDEX NAME)

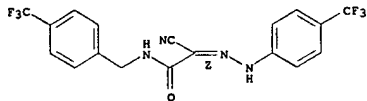
Double bond geometry as shown.





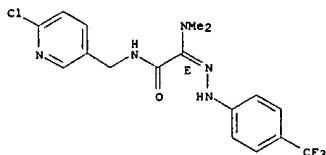
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RN 565213-17-4 CAPLUS  
 CN Acetamide, 2-cyano-2-[[4-(trifluoromethyl)phenyl]hydrazono]-N-[[4-(trifluoromethyl)phenyl]methyl]-, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

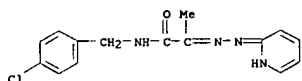


RN 565213-18-5 CAPLUS  
 CN Acetamide, N-[(6-chloro-3-pyridinyl)methyl]-2-(dimethylamino)-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

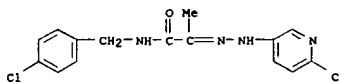


RN 565213-19-6 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-(2-pyridinylhydrazono)- (9CI) (CA INDEX NAME)

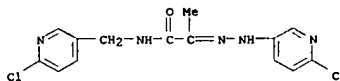


RN 565213-20-9 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(6-chloro-3-pyridinyl)hydrazono]- (9CI) (CA INDEX NAME)

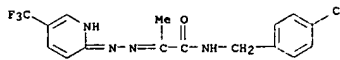
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



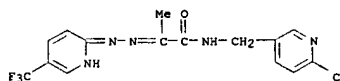
RN 565213-21-0 CAPLUS  
 CN Propanamide, 2-[(6-chloro-3-pyridinyl)hydrazono]-N-[(6-chloro-3-pyridinyl)methyl]- (9CI) (CA INDEX NAME)



RN 565213-22-1 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(5-(trifluoromethyl)-2-pyridinyl)hydrazono]- (9CI) (CA INDEX NAME)

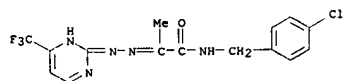


RN 565213-23-2 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(5-(trifluoromethyl)-2-pyridinyl)hydrazono]- (9CI) (CA INDEX NAME)

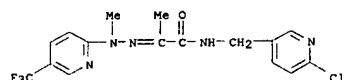


RN 565213-24-3 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(4-(trifluoromethyl)-2-pyrimidinyl)hydrazono]- (9CI) (CA INDEX NAME)

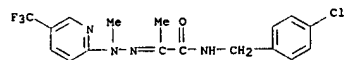
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



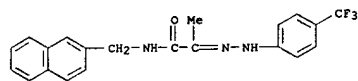
RN 565213-25-4 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[methyl[5-(trifluoromethyl)-2-pyridinyl]hydrazono]- (9CI) (CA INDEX NAME)



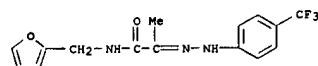
RN 565213-26-5 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[methyl[5-(trifluoromethyl)-2-pyridinyl]hydrazono]- (9CI) (CA INDEX NAME)



RN 565213-27-6 CAPLUS  
 CN Propanamide, N-(2-naphthalenylmethyl)-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

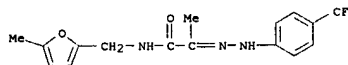


RN 565213-28-7 CAPLUS  
 CN Propanamide, N-(2-furanyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

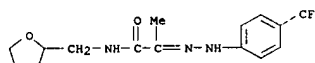


L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

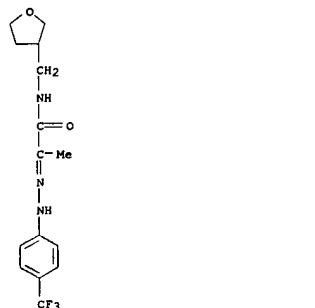
RN 565213-29-8 CAPLUS  
 CN Propanamide, N-[(5-methyl-2-furanyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)



RN 565213-30-1 CAPLUS  
 CN Propanamide, N-[(tetrahydro-2-furanyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

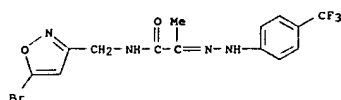


RN 565213-31-2 CAPLUS  
 CN Propanamide, N-[(tetrahydro-3-furanyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

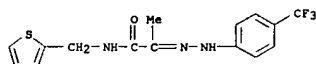


RN 565213-32-3 CAPLUS  
 CN Propanamide, N-[(5-bromo-3-isoxazolyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

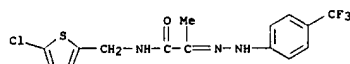
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 565213-33-4 CAPLUS  
 CN Propanamide, N-[(2-bromo-5-thienyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

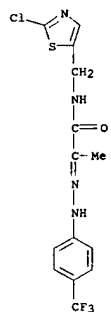


RN 565213-34-5 CAPLUS  
 CN Propanamide, N-[(5-chloro-2-thienyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

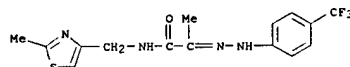


RN 565213-35-6 CAPLUS  
 CN Propanamide, N-[(2,5-dichloro-3-thienyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

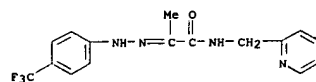
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 565213-39-0 CAPLUS  
 CN Propanamide, N-[(2-methyl-4-thiazolyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

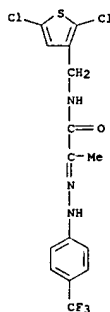


RN 565213-40-3 CAPLUS  
 CN Propanamide, N-[(2-methyl-5-thiazolyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

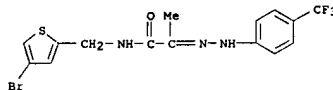


RN 565213-41-4 CAPLUS  
 CN Propanamide, N-[(2,6-dichloro-4-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

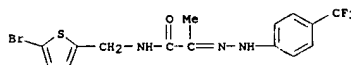
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 565213-36-7 CAPLUS  
 CN Propanamide, N-[(4-bromo-2-thienyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

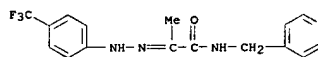


RN 565213-37-8 CAPLUS  
 CN Propanamide, N-[(5-bromo-2-thienyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

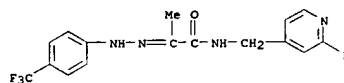


RN 565213-38-9 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

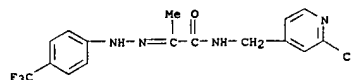
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



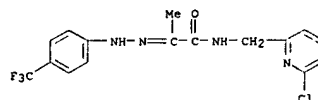
RN 565213-42-5 CAPLUS  
 CN Propanamide, N-[(2-fluoro-4-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)



RN 565213-43-6 CAPLUS  
 CN Propanamide, N-[(2-chloro-4-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

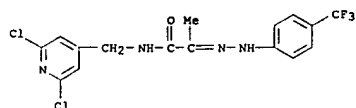


RN 565213-44-7 CAPLUS  
 CN Propanamide, N-[(6-chloro-2-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

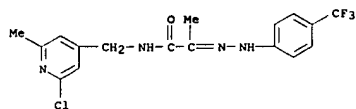


RN 565213-45-8 CAPLUS  
 CN Propanamide, N-[(2,6-dichloro-4-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

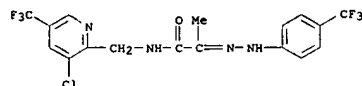
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



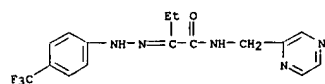
RN 565213-46-9 CAPLUS  
 CN Propanamide, N-[(2-chloro-6-methyl-4-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (9CI) (CA INDEX NAME)



RN 565213-48-1 CAPLUS  
 CN Propanamide, N-[(3-chloro-5-(trifluoromethyl)-2-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (9CI) (CA INDEX NAME)



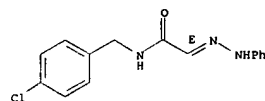
RN 565213-49-2 CAPLUS  
 CN Butanamide, N-(pyrazinylmethyl)-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (9CI) (CA INDEX NAME)



RN 565213-50-5 CAPLUS  
 CN Propanamide, N-[(5-methylpyrazinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (9CI) (CA INDEX NAME)

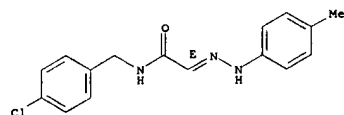
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Double bond geometry as shown.



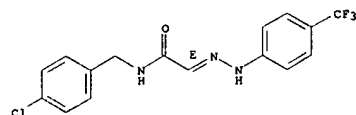
RN 565213-55-0 CAPLUS  
 CN Acetamide, N-[(4-chlorophenyl)methyl]-2-[[4-(4-methylphenyl)hydrazone]- (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-56-1 CAPLUS  
 CN Acetamide, N-[(4-chlorophenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (2E)- (9CI) (CA INDEX NAME)

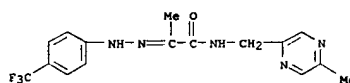
Double bond geometry as shown.



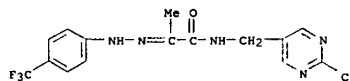
RN 565213-57-2 CAPLUS  
 CN Acetamide, N-[(4-methylphenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

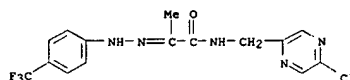
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 565213-51-6 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-pyrimidinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (9CI) (CA INDEX NAME)

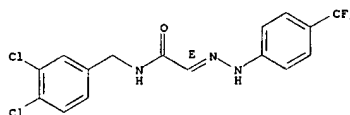


RN 565213-52-7 CAPLUS  
 CN Propanamide, N-[(5-chloropyrazinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (9CI) (CA INDEX NAME)



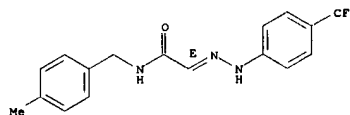
RN 565213-53-8 CAPLUS  
 CN Acetamide, N-[(3,4-dichlorophenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



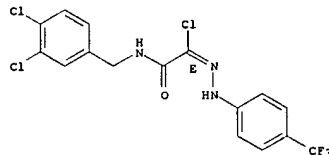
RN 565213-54-9 CAPLUS  
 CN Acetamide, N-[(4-chlorophenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (2E)- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



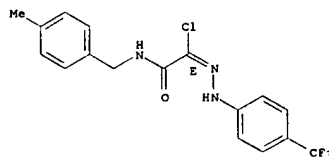
RN 565213-58-3 CAPLUS  
 CN Ethanehydrazonoyl chloride, 2-[[4-(4-methylphenyl)methylamino]-2-oxo-N-[[4-(trifluoromethyl)phenyl]- (1E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-59-4 CAPLUS  
 CN Ethanehydrazonoyl chloride, 2-[[4-(4-methylphenyl)methylamino]-2-oxo-N-[[4-(trifluoromethyl)phenyl]- (1E)- (9CI) (CA INDEX NAME)

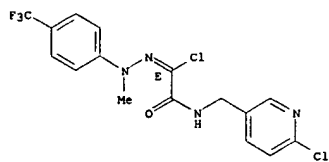
Double bond geometry as shown.



RN 565213-60-7 CAPLUS  
 CN Ethanehydrazonoyl chloride, 2-[[4-(4-methylphenyl)methylamino]-2-oxo-N-[[4-(trifluoromethyl)phenyl]- (1E)- (9CI) (CA INDEX NAME)

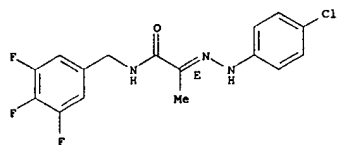
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



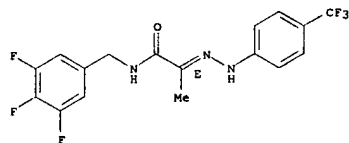
RN 565213-61-8 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(3,4,5-trifluorophenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-62-9 CAPLUS  
 CN Propanamide, 2-[(4-(trifluoromethyl)phenyl)hydrazono]-N-[(3,4,5-trifluorophenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

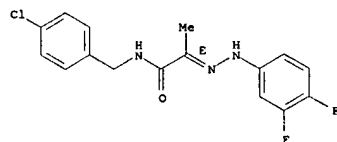
Double bond geometry as shown.



RN 565213-63-0 CAPLUS  
 CN Propanamide, N-[(4-chloro-3-fluorophenyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

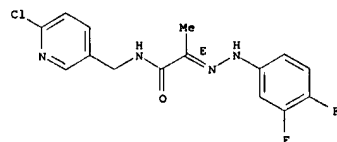
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



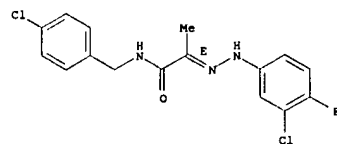
RN 565213-67-4 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3,4-difluorophenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-68-5 CAPLUS  
 CN Propanamide, 2-[(3-chloro-4-fluorophenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

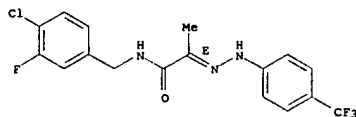
Double bond geometry as shown.



RN 565213-69-6 CAPLUS  
 CN Propanamide, 2-[(3-chloro-4-fluorophenyl)hydrazono]-N-[(6-chloro-3-pyridinyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

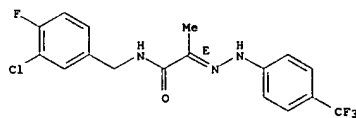
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



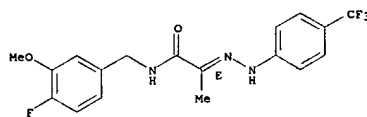
RN 565213-64-1 CAPLUS  
 CN Propanamide, N-[(3-chloro-4-fluorophenyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-65-2 CAPLUS  
 CN Propanamide, N-[(4-fluoro-3-methoxyphenyl)methyl]-2-[(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

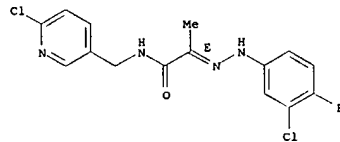
Double bond geometry as shown.



RN 565213-66-3 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(3,4-difluorophenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

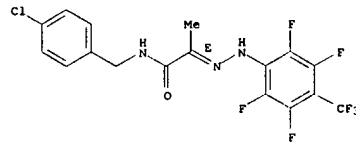
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



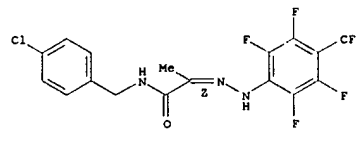
RN 565213-70-9 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(2,3,5,6-tetrafluoro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-71-0 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(2,3,5,6-tetrafluoro-4-(trifluoromethyl)phenyl)hydrazono]-, (2Z)-(9CI) (CA INDEX NAME)

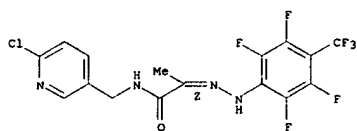
Double bond geometry as shown.



RN 565213-72-1 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2,3,5,6-tetrafluoro-4-(trifluoromethyl)phenyl)hydrazono]-, (2Z)-(9CI) (CA INDEX NAME)

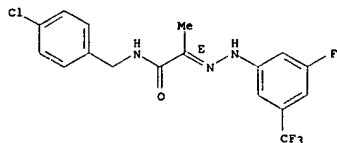
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



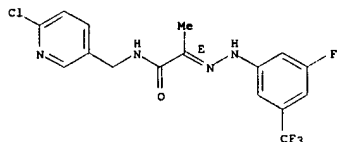
RN 565213-73-2 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(3-fluoro-5-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-74-3 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3-fluoro-5-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

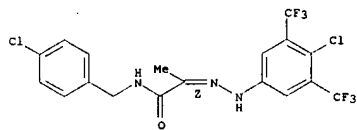


RN 565213-75-4 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3,5-difluoro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

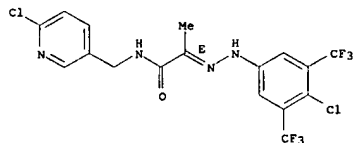
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Double bond geometry as shown.



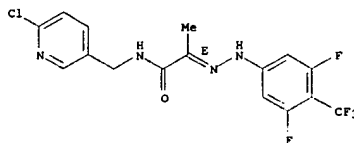
RN 565213-79-8 CAPLUS  
 CN Propanamide, 2-[(4-chloro-3,5-bis(trifluoromethyl)phenyl)hydrazono]-N-[(6-chloro-3-pyridinyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



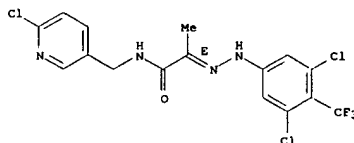
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L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



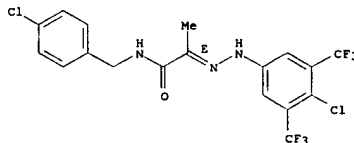
RN 565213-76-5 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3,5-dichloro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-77-6 CAPLUS  
 CN Propanamide, 2-[(4-chloro-3,5-bis(trifluoromethyl)phenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



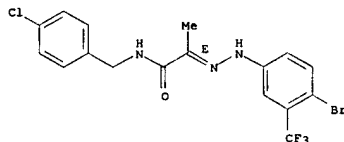
RN 565213-78-7 CAPLUS  
 CN Propanamide, 2-[(4-chloro-3,5-bis(trifluoromethyl)phenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

565214-74-6 565214-75-7 565214-76-8  
 565214-77-9 565214-78-0 565457-10-5  
 565457-11-6 565457-12-7 565457-13-8  
 565457-14-9 565457-15-0 565457-16-1  
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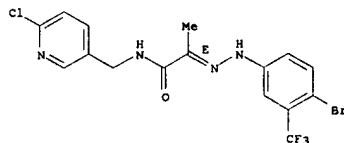
RN 565213-80-1 CAPLUS  
 CN Propanamide, 2-[(4-bromo-3-(trifluoromethyl)phenyl)hydrazono]-N-[(4-chlorophenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-81-2 CAPLUS  
 CN Propanamide, 2-[(4-bromo-3-(trifluoromethyl)phenyl)hydrazono]-N-[(6-chloro-3-pyridinyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

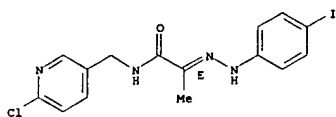
Double bond geometry as shown.



RN 565213-82-3 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-iodophenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

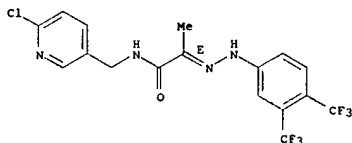
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



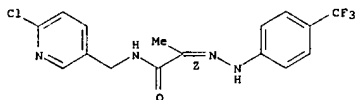
RN 565213-83-4 CAPLUS  
 CN Propanamide, N-([6-chloro-3-pyridinyl)methyl]-2-([4-(trifluoromethyl)phenyl]hydrazono)-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-84-5 CAPLUS  
 CN Propanamide, N-([6-chloro-3-pyridinyl)methyl]-2-([4-(trifluoromethyl)phenyl]hydrazono)-, (2Z)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

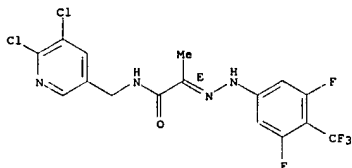


RN 565213-85-6 CAPLUS  
 CN Propanamide, N-([6-chloro-3-pyridinyl)methyl]-2-([4-(pentafluoroethyl)phenyl]hydrazono)-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

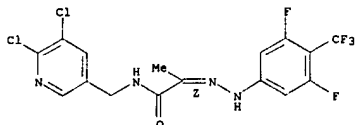
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Double bond geometry as shown.



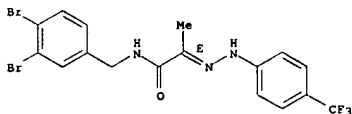
RN 565213-89-0 CAPLUS  
 CN Propanamide, N-([5,6-dichloro-3-pyridinyl)methyl]-2-([3,5-difluoro-4-(trifluoromethyl)phenyl]hydrazono)-, (2Z)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-90-3 CAPLUS  
 CN Propanamide, N-([3,4-dibromophenyl)methyl]-2-([4-(trifluoromethyl)phenyl]hydrazono)-, (2E)-(9CI) (CA INDEX NAME)

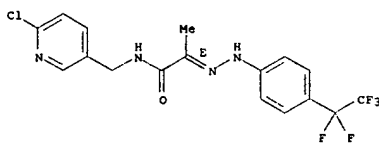
Double bond geometry as shown.



RN 565213-91-4 CAPLUS  
 CN Propanamide, N-([4-bromo-3-methylphenyl)methyl]-2-([4-(trifluoromethyl)phenyl]hydrazono)-, (2E)-(9CI) (CA INDEX NAME)

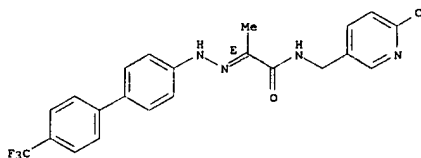
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



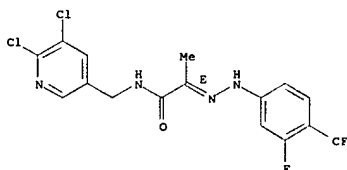
RN 565213-86-7 CAPLUS  
 CN Propanamide, N-([6-chloro-3-pyridinyl)methyl]-2-([4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]hydrazono)-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



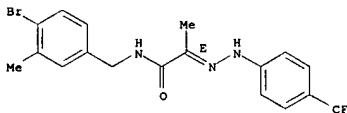
RN 565213-87-8 CAPLUS  
 CN Propanamide, N-([5,6-dichloro-3-pyridinyl)methyl]-2-([3-fluoro-4-(trifluoromethyl)phenyl]hydrazono)-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



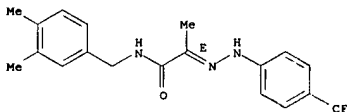
RN 565213-88-9 CAPLUS  
 CN Propanamide, N-([5,6-dichloro-3-pyridinyl)methyl]-2-([3,5-difluoro-4-

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



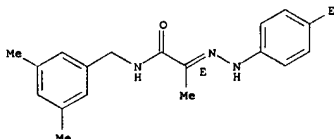
RN 565213-92-5 CAPLUS  
 CN Propanamide, N-([3,4-dimethylphenyl)methyl]-2-([4-(trifluoromethyl)phenyl]hydrazono)-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-93-6 CAPLUS  
 CN Propanamide, N-([3,5-dimethylphenyl)methyl]-2-([4-ethylphenyl]hydrazono)-, (2E)-(9CI) (CA INDEX NAME)

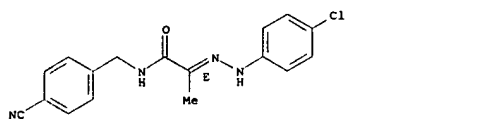
Double bond geometry as shown.



RN 565213-94-7 CAPLUS  
 CN Propanamide, 2-([4-chlorophenyl]hydrazono)-N-([4-cyanophenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

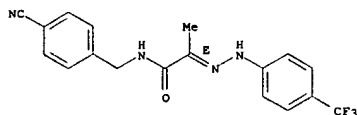
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



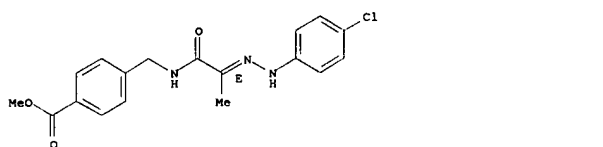
RN 565213-95-8 CAPLUS  
 CN Propanamide,  
 N-[(4-cyanophenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-96-9 CAPLUS  
 CN Benzoic acid, 4-[[[(2E)-2-[(4-chlorophenyl)hydrazono]-1-oxopropyl]amino]methyl]-, methyl ester (9CI) (CA INDEX NAME)

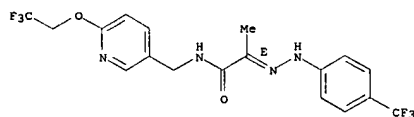
Double bond geometry as shown.



RN 565213-97-0 CAPLUS  
 CN Propanamide, N-[[6-(2,2,2-trifluoroethoxy)-3-pyridinyl]methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

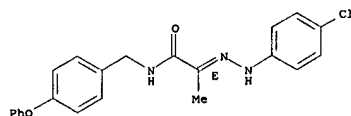
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



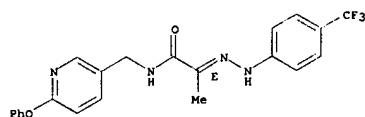
RN 565214-01-9 CAPLUS  
 CN Propanamide, N-[[6-(2,2,2-trifluoroethoxy)-3-pyridinyl]methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



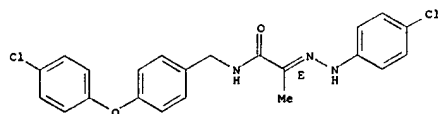
RN 565214-02-0 CAPLUS  
 CN Propanamide, N-[[6-(2,2,2-trifluoroethoxy)-3-pyridinyl]methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

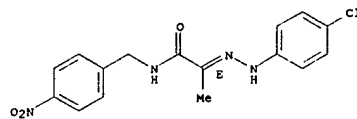


RN 565214-03-1 CAPLUS  
 CN Propanamide, N-[[6-(2,2,2-trifluoroethoxy)-3-pyridinyl]methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

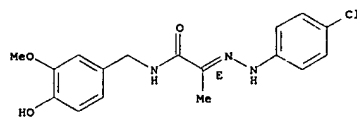


L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



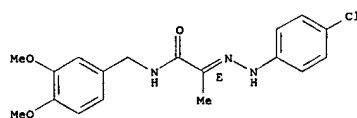
RN 565213-98-1 CAPLUS  
 CN Propanamide, 2-[[4-(chlorophenyl)hydrazono]-N-[(4-hydroxy-3-methoxyphenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565213-99-2 CAPLUS  
 CN Propanamide, 2-[[4-(chlorophenyl)hydrazono]-N-[(3,4-dimethoxyphenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



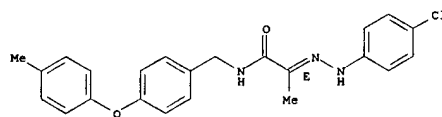
RN 565214-00-8 CAPLUS  
 CN Propanamide, N-[[6-(2,2,2-trifluoroethoxy)-3-pyridinyl]methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

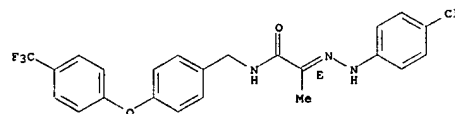
RN 565214-04-2 CAPLUS  
 CN Propanamide, 2-[[4-(chlorophenyl)hydrazono]-N-[[4-(4-methylphenoxy)phenyl]methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



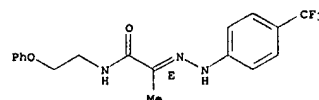
RN 565214-05-3 CAPLUS  
 CN Propanamide, 2-[[4-(chlorophenyl)hydrazono]-N-[[4-(4-(trifluoromethyl)phenoxy)phenyl]methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-06-4 CAPLUS  
 CN Propanamide, N-[[6-(2,2,2-trifluoroethoxy)-3-pyridinyl]methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

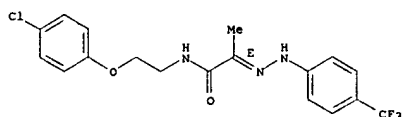
Double bond geometry as shown.



RN 565214-07-5 CAPLUS  
 CN Propanamide, N-[[6-(2,2,2-trifluoroethoxy)-3-pyridinyl]methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

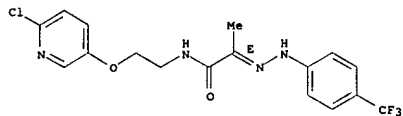
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



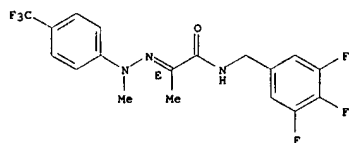
RN 565214-08-6 CAPLUS  
 CN Propanamide, N-[2-[(6-chloro-3-pyridinyl)oxy]ethyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-12-2 CAPLUS  
 CN Propanamide, 2-[methyl(4-(trifluoromethyl)phenyl)hydrazono]-N-[(3,4,5-trifluorophenyl)methyl]-, (2E)- (9CI) (CA INDEX NAME)

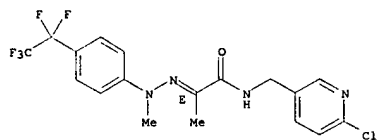
Double bond geometry as shown.



RN 565214-13-3 CAPLUS  
 CN Propanamide, N-[[4-chloro-3-fluorophenyl)methyl]-2-[methyl(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

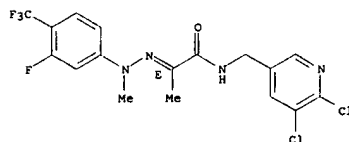
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



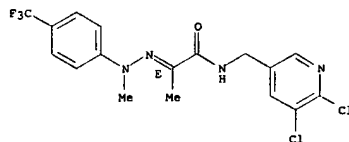
RN 565214-17-7 CAPLUS  
 CN Propanamide, N-[(5,6-dichloro-3-pyridinyl)methyl]-2-[[3-fluoro-4-(trifluoromethyl)phenyl]hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-18-8 CAPLUS  
 CN Propanamide, N-[(5,6-dichloro-3-pyridinyl)methyl]-2-[methyl(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

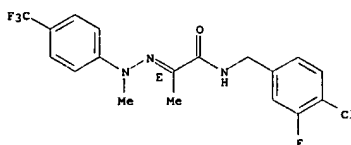
Double bond geometry as shown.



RN 565214-19-9 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[[3-fluoro-4-(trifluoromethyl)phenyl]hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

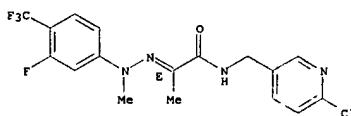
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



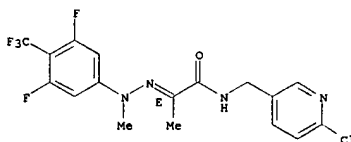
RN 565214-14-4 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[[3-fluoro-4-(trifluoromethyl)phenyl]methylhydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-15-5 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(3,5-difluoro-4-(trifluoromethyl)phenyl)methylhydrazono]-, (2E)- (9CI) (CA INDEX NAME)

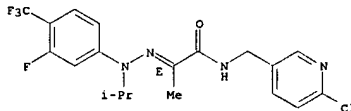
Double bond geometry as shown.



RN 565214-16-6 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[methyl(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

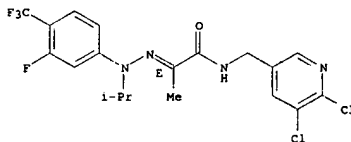
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



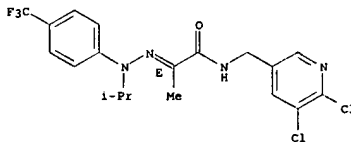
RN 565214-20-2 CAPLUS  
 CN Propanamide, N-[(5,6-dichloro-3-pyridinyl)methyl]-2-[[3-fluoro-4-(trifluoromethyl)phenyl](1-methylethyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-21-3 CAPLUS  
 CN Propanamide, N-[(5,6-dichloro-3-pyridinyl)methyl]-2-[(1-methylethyl)(4-(trifluoromethyl)phenyl)hydrazono]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

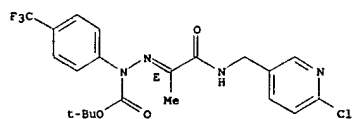


RN 565214-22-4 CAPLUS  
 CN Hydrazinecarboxylic acid, [2-[(6-chloro-3-pyridinyl)methyl]amino]-1-methyl-2-oxoethylidene[4-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

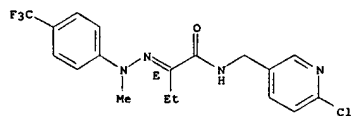


L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



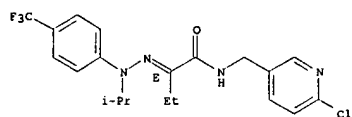
RN 565214-23-5 CAPLUS  
 CN Butanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[[methyl(4-(trifluoromethyl)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

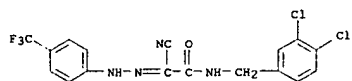


RN 565214-24-6 CAPLUS  
 CN Butanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[[1-methylethyl(4-(trifluoromethyl)phenyl)hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

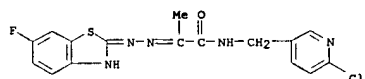
Double bond geometry as shown.



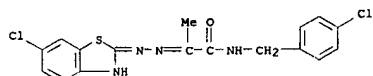
RN 565214-25-7 CAPLUS  
 CN Acetamide, 2-cyano-N-[(3,4-dichlorophenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (9CI) (CA INDEX NAME)



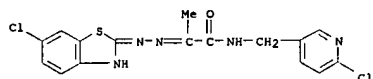
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



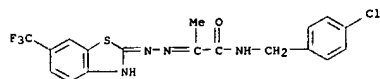
RN 565214-33-7 CAPLUS  
 CN Propanamide, 2-[[6-chloro-2-benzothiazolyl]hydrazone]-N-[(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



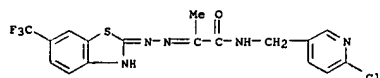
RN 565214-34-8 CAPLUS  
 CN Propanamide, 2-[[6-chloro-2-benzothiazolyl]hydrazone]-N-[(6-chloro-3-pyridinyl)methyl]- (9CI) (CA INDEX NAME)



RN 565214-35-9 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[[6-(trifluoromethyl)-2-benzothiazolyl]hydrazone]- (9CI) (CA INDEX NAME)

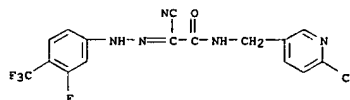


RN 565214-36-0 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[[6-(trifluoromethyl)-2-benzothiazolyl]hydrazone]- (9CI) (CA INDEX NAME)

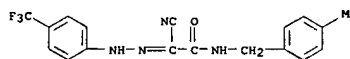


L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

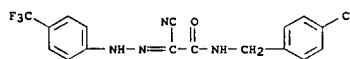
RN 565214-26-8 CAPLUS  
 CN Acetamide, N-[(6-chloro-3-pyridinyl)methyl]-2-cyano-2-[[3-fluoro-4-(trifluoromethyl)phenyl]hydrazone]- (9CI) (CA INDEX NAME)



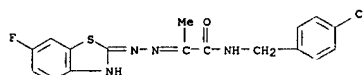
RN 565214-27-9 CAPLUS  
 CN Acetamide, 2-cyano-N-[(4-methylphenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (9CI) (CA INDEX NAME)



RN 565214-28-0 CAPLUS  
 CN Acetamide, 2-cyano-N-[(4-cyanophenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]- (9CI) (CA INDEX NAME)



RN 565214-31-5 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[[6-fluoro-2-benzothiazolyl]hydrazone]- (9CI) (CA INDEX NAME)

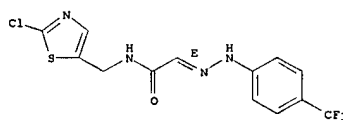


RN 565214-32-6 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[[6-fluoro-2-benzothiazolyl]hydrazone]- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

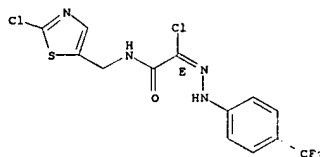
RN 565214-37-1 CAPLUS  
 CN Acetamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



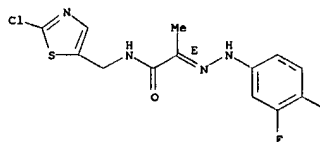
RN 565214-38-2 CAPLUS  
 CN Ethanehydrazonoyl chloride, 2-[[2-chloro-5-thiazolyl)methyl]amino]-2-oxo-N-[(4-(trifluoromethyl)phenyl)-, (1E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



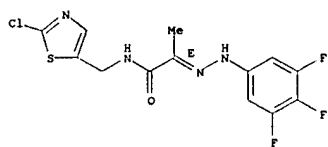
RN 565214-39-3 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[3,4-difluorophenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



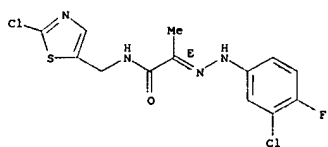
RN 565214-40-6 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[3,4,5-trifluorophenyl]hydrazone]-, (2E)- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
Double bond geometry as shown.



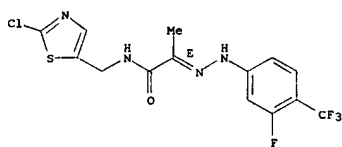
RN 565214-41-7 CAPLUS  
CN Propanamide, N-[(2-chloro-4-fluorophenyl)hydrazono]-N-[(2-chloro-5-thiazolyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-42-8 CAPLUS  
CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(3-fluoro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

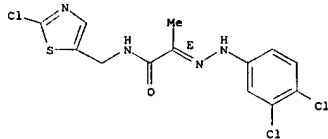
Double bond geometry as shown.



RN 565214-43-9 CAPLUS  
CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(3,5-difluoro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

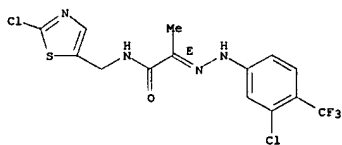
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



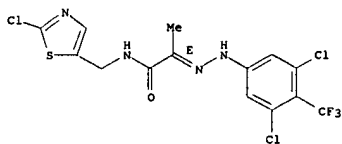
RN 565214-47-3 CAPLUS  
CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(3-chloro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-48-4 CAPLUS  
CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(3,5-dichloro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

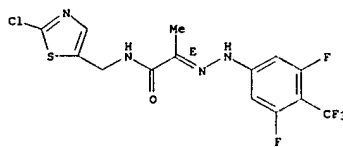
Double bond geometry as shown.



RN 565214-49-5 CAPLUS  
CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(4-chloro-3-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

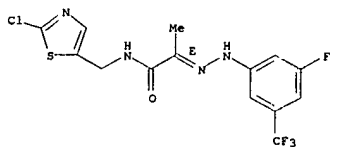
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



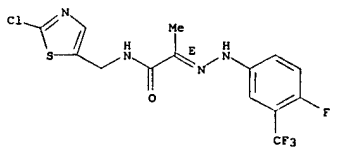
RN 565214-44-0 CAPLUS  
CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(3-fluoro-5-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-45-1 CAPLUS  
CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(4-fluoro-3-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

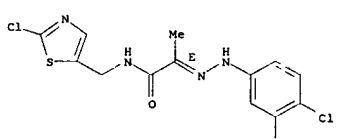
Double bond geometry as shown.



RN 565214-46-2 CAPLUS  
CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(3,4-dichlorophenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

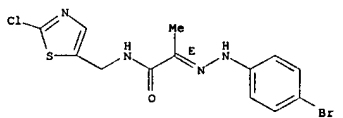
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



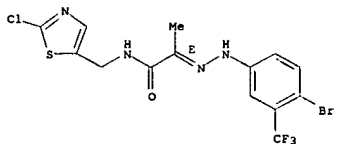
RN 565214-50-8 CAPLUS  
CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(4-bromophenyl)hydrazono]-N-[(2-chloro-5-thiazolyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-51-9 CAPLUS  
CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(4-bromo-3-(trifluoromethyl)phenyl)hydrazono]-N-[(2-chloro-5-thiazolyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

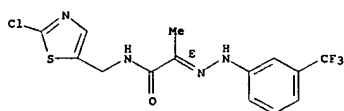
Double bond geometry as shown.



RN 565214-52-0 CAPLUS  
CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(3-bromo-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

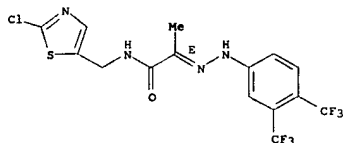
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



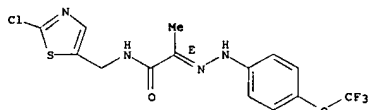
RN 565214-53-1 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]phenylhydrazone-N-[(2-chloro-5-thiazolyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-54-2 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[4-(trifluoromethoxy)phenyl]methylhydrazone]-, (2E)-(9CI) (CA INDEX NAME)

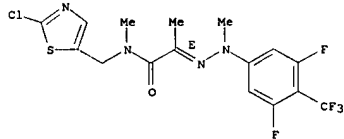
Double bond geometry as shown.



RN 565214-55-3 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[3-fluoro-4-(trifluoromethyl)phenyl]methylhydrazone]-, (2E)-(9CI) (CA INDEX NAME)

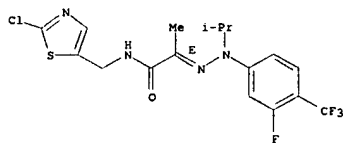
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



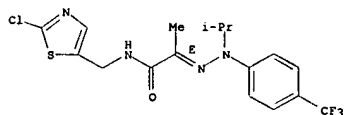
RN 565214-59-7 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[3-fluoro-4-(trifluoromethyl)phenyl]methylhydrazone]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



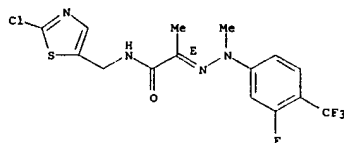
RN 565214-60-0 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[1-methylethyl]4-(trifluoromethyl)phenyl]hydrazone]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



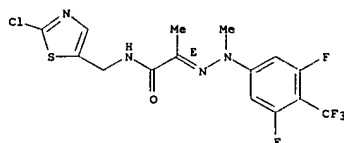
RN 565214-61-1 CAPLUS  
 CN Acetamide, N-[(2-chloro-5-thiazolyl)methyl]-2-cyano-2-[[4-(trifluoromethyl)phenyl]methylhydrazone]- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



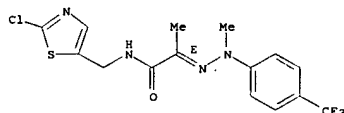
RN 565214-56-4 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[3,5-difluoro-4-(trifluoromethyl)phenyl]methylhydrazone]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-57-5 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[3,5-difluoro-4-(trifluoromethyl)phenyl]methylhydrazone]-, (2E)-(9CI) (CA INDEX NAME)

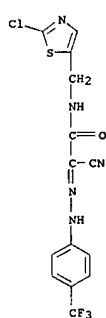
Double bond geometry as shown.



RN 565214-58-6 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[3,5-difluoro-4-(trifluoromethyl)phenyl]methylhydrazone]-N-methyl-, (2E)-(9CI) (CA INDEX NAME)

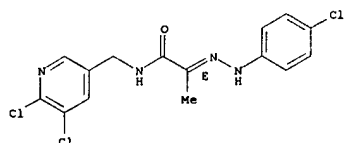
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 565214-62-2 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[3,5-difluoro-4-(trifluoromethyl)phenyl]methylhydrazone]-N-methyl-, (2E)-(9CI) (CA INDEX NAME)

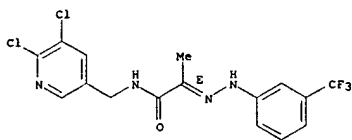
Double bond geometry as shown.



RN 565214-63-3 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[[3,5-difluoro-4-(trifluoromethyl)phenyl]methylhydrazone]-, (2E)-(9CI) (CA INDEX NAME)

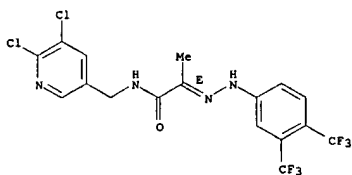
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



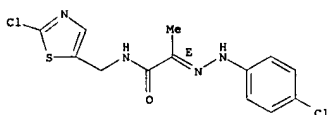
RN 565214-64-4 CAPLUS  
 CN Propanamide, 2-[[3,4-bis(trifluoromethyl)phenyl]hydrazono]-N-[(5,6-dichloro-3-pyridinyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-65-5 CAPLUS  
 CN Propanamide, 2-[(4-chlorophenyl)hydrazono]-N-[(2-chloro-5-thiazolyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

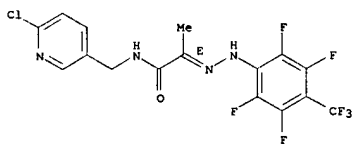
Double bond geometry as shown.



RN 565214-74-6 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[(3,4-dichlorophenyl)hydrazono]-, (2Z)-(9CI) (CA INDEX NAME)

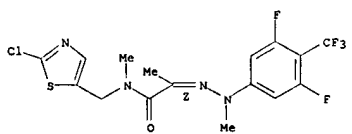
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

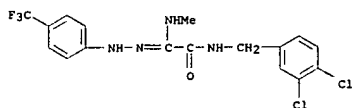


RN 565214-78-0 CAPLUS  
 CN Propanamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(3,5-difluoro-4-(trifluoromethyl)phenyl)methylhydrazono]-N-methyl-, (2Z)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

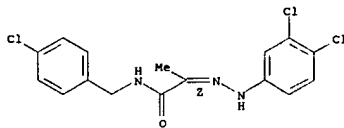


RN 565457-10-5 CAPLUS  
 CN Acetamide, N-[(4-chlorophenyl)methyl]-2-[(methylamino)-2-[(4-methylphenyl)hydrazono]-], (2E)-(9CI) (CA INDEX NAME)



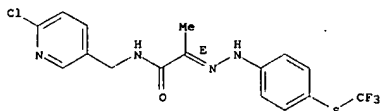
RN 565457-11-6 CAPLUS  
 CN Acetamide, N-[(4-chlorophenyl)methyl]-2-[(methylamino)-2-[(phenyl)hydrazono]-], (2E)-(9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



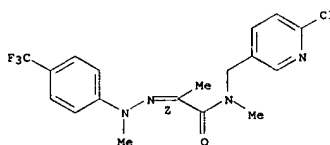
RN 565214-75-7 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(4-(trifluoromethyl)thio)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565214-76-8 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-N-methyl-2-[(methyl[4-(trifluoromethyl)phenyl]hydrazono]-, (2Z)-(9CI) (CA INDEX NAME)

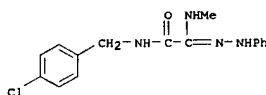
Double bond geometry as shown.



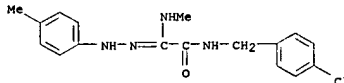
RN 565214-77-9 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(2,3,5,6-tetrafluoro-4-(trifluoromethyl)phenyl)hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

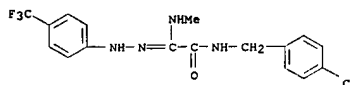
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



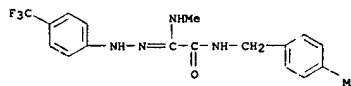
RN 565457-12-7 CAPLUS  
 CN Acetamide, N-[(4-chlorophenyl)methyl]-2-[(methylamino)-2-[(4-methylphenyl)hydrazono]-], (2E)-(9CI) (CA INDEX NAME)



RN 565457-13-8 CAPLUS  
 CN Acetamide, N-[(4-chlorophenyl)methyl]-2-[(methylamino)-2-[(4-(trifluoromethyl)phenyl)hydrazono]-], (2E)-(9CI) (CA INDEX NAME)

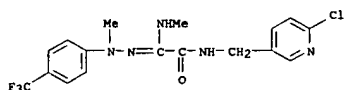


RN 565457-14-9 CAPLUS  
 CN Acetamide, N-[(4-chlorophenyl)methyl]-2-[(methylamino)-2-[(4-(trifluoromethyl)phenyl)hydrazono]-], (2E)-(9CI) (CA INDEX NAME)

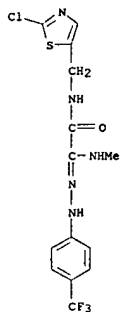


RN 565457-15-0 CAPLUS  
 CN Acetamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(methylamino)-2-[(methyl[4-(trifluoromethyl)phenyl]hydrazono)-], (2E)-(9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 565457-16-1 CAPLUS  
 CN Acetamide, N-[(2-chloro-5-thiazolyl)methyl]-2-[(methylamino)-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

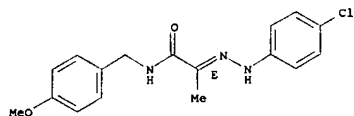


IT 565211-32-7P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (insecticides containing novel hydrazone derivs.)  
 RN 565211-32-7 CAPLUS  
 CN Ethanehydrazonoyl chloride, 2-[[6-chloro-3-pyridinyl)methyl]amino]-2-oxo-N-[4-(trifluoromethyl)phenyl]-, (1E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

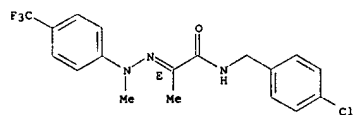
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 CN Propanamide, 2-[[4-chlorophenyl]hydrazono]-N-[(4-methoxyphenyl)methyl]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



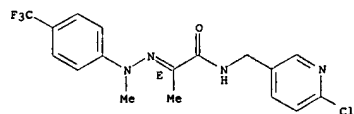
RN 565212-36-4 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 565212-37-5 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

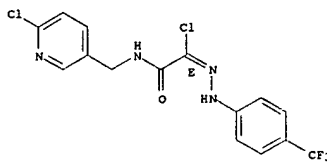
Double bond geometry as shown.



RN 565212-54-6 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

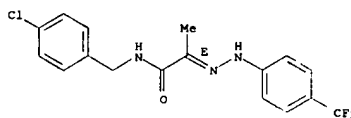
Double bond geometry as shown.

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



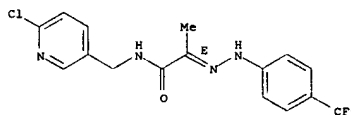
IT 565211-89-4P 565211-90-7P 565212-20-6P  
 565212-36-4P 565212-37-5P 565212-54-6P  
 565212-97-7P 565213-11-8P 565213-12-9P  
 565457-09-2P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (insecticides containing novel hydrazone derivs.)  
 RN 565211-89-4 CAPLUS  
 CN Propanamide, N-[(4-chlorophenyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



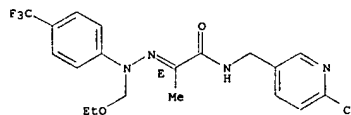
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Double bond geometry as shown.



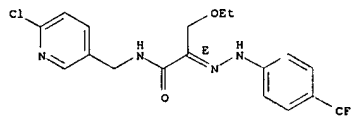
RN 565212-20-6 CAPLUS

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



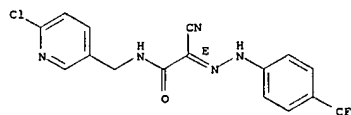
RN 565212-97-7 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-3-ethoxy-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



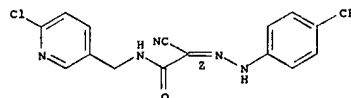
RN 565213-11-8 CAPLUS  
 CN Acetamide, N-[(6-chloro-3-pyridinyl)methyl]-2-cyano-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



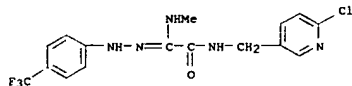
RN 565213-12-9 CAPLUS  
 CN Acetamide, N-[(6-chloro-3-pyridinyl)methyl]-2-cyano-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

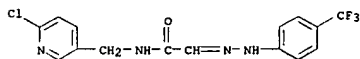


RN 565457-09-2 CAPLUS

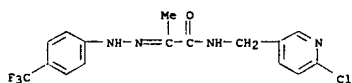
L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 CN Acetamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[(methylamino)-2-[[4-(trifluoromethyl)phenyl]hydrazono]-, (2E)- (9CI) (CA INDEX NAME)



IT 565214-72-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (intermediate; in preparation of hydrazone derivs. as pesticides)  
 RN 565214-72-4 CAPLUS  
 CN Acetamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)



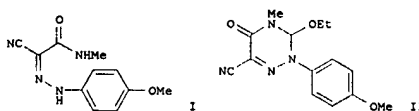
IT 565214-67-7  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reactant; in preparation of hydrazone derivs. as pesticides)  
 RN 565214-67-7 CAPLUS  
 CN Propanamide, N-[(6-chloro-3-pyridinyl)methyl]-2-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
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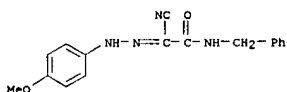
L7 ANSWER 6 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:436233 CAPLUS  
 DOCUMENT NUMBER: 135:226967  
 TITLE: Reactions of 2-arylhydrazonoacetamides with orthoesters. Synthesis of new tetrahydro-1,2,4-triazines  
 AUTHOR(S): Bel'skaya, N. P.; Zvereva, E. E.; Babushkina, L. A.; Bakulev, V. A.  
 CORPORATE SOURCE: Ural State Technical University, Yekaterinburg, 620002, Russia  
 SOURCE: Chemistry of Heterocyclic Compounds (New York, NY, United States)(Translation of Khimiya Geterotsiklicheskikh Soedinenii) (2001), Volume Date 2000, 36(9), 1066-1076  
 CODEN: CHCCAL; ISSN: 0009-3122  
 PUBLISHER: Consultants Bureau  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 135:226967  
 GI

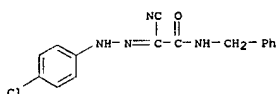


AB The reactions of arylhydrazonocyanacetamides, e.g. I, with tri-Et orthoformate and tri-Et orthoacetate have been studied. Interaction of tri-Et orthoformate with amides bearing normal alkyl substituents on the carbonyl group resulted in cyclization to 2-aryl-4-alkyl-5-oxo-3-ethoxy-2,3,4,5-tetrahydro-1,2,4-triazin-6-carbonitriles, e.g. II, whereas reaction of N-phenyl- and N-cyclohexylacetamides with tri-Et orthoformate gave products of ethylation at the hydrazone group. Reactions of the arylhydrazonocyanacetamides with tri-Et orthoacetate led to the corresponding 2-(arylethylhydrazono)acetamides exclusively.  
 IT 359701-98-7 359701-99-8 359702-00-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (cyclocondensation and ethylation of (arylhydrazono)cyanoacetamides with orthoesters to triazines and N-Et derivs.)  
 RN 359701-98-7 CAPLUS  
 CN Acetamide, 2-cyano-2-[(4-methoxyphenyl)hydrazono]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

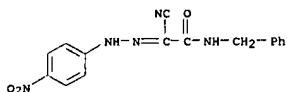
L7 ANSWER 6 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 359701-99-8 CAPLUS  
 CN Acetamide, 2-[[4-chlorophenyl]hydrazono]-2-cyano-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 359702-00-4 CAPLUS  
 CN Acetamide, 2-cyano-2-[(4-nitrophenyl)hydrazono]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

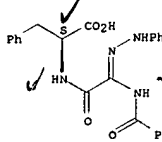


REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
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L7 ANSWER 7 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:268634 CAPLUS  
 DOCUMENT NUMBER: 135:5813  
 TITLE: Antiviral peptides with non-natural amino acids  
 AUTHOR(S): Saito, Masato; Chiba, Takuo  
 CORPORATE SOURCE: Advanced Engineering Faculty, Akita National College of Technology, Japan  
 SOURCE: Akita Kogyo Koto Senmon Gakko Kenkyu Kiyo (2001), 36, 40-43  
 CODEN: AKKKEK; ISSN: 0285-5364  
 PUBLISHER: Akita Kogyo Koto Senmon Gakko  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The surface protein of viruses, designated fusion (F1) peptide with hydrophobic amino acid sequences, has receptor-binding activity. We synthesized F1 peptide analogs via the oxazolone ring, which was easily prepared by ring closure of acyl-glycine. The active methylene group of oxazolone was transformed into the hydrazino group by reaction with diazonium compds. The reaction of amino acids with hydrazino-oxazolone, which has the intramol. active ester form, gave dipeptides having the amino acid with abnormal structure. Tripeptides were prepared by the usual manner from the non-natural dipeptides. The structure of all synthesized peptides was similar to that of the fusion peptide of viruses in which the basic amino acid combined with the neutral hydrophobic amino acid sequences. All peptides were tested for the antiviral activity.  
 IT 341032-77-7P 341032-82-4P 341032-88-0P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (antiviral peptides with non-natural amino acids)  
 RN 341032-77-7 CAPLUS  
 CN L-Phenylalanine, N-benzoyl-2-[(phenylhydrazono)glycyl]- (9CI) (CA INDEX NAME)

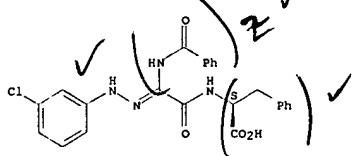
Absolute stereochemistry.



RN 341032-82-4 CAPLUS  
 CN L-Phenylalanine, N-benzoyl-2-[(3-chlorophenyl)hydrazono]glycyl- (9CI) (CA INDEX NAME)

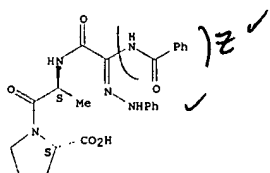
Absolute stereochemistry.

L7 ANSWER 7 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 341032-88-0 CAPLUS  
CN L-Proline, N-benzoyl-2-(phenylhydrazono)glycyl-L-alanyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



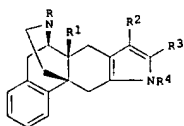
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS  
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

L7 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:756708 CAPLUS  
DOCUMENT NUMBER: 133:322035  
TITLE: Preparation of morphinoid compounds as opiate receptor agonists  
INVENTOR(S): Clarke, Stephen Edward; Dondio, Giulio; Raveglia, Luca  
PATENT ASSIGNEE(S): Francesco; Ronzoni, Silvano  
SOURCE: Smithkline Beecham PLC, UK; Smithkline Beecham S.p.A. PCT Int. Appl., 49 pp.  
CODEN: PEXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

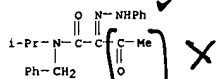
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000063210	A1	20001026	WO 2000-GB1516	20000419
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, CA, CH, CN, CU, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, CG, CI, CM, GA, GN, GW, ML, MR, NE, NI, NG, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, IT 99MI0816 A1 20001020 IT 1999-MI816 19990420				
IT 1312083 B1 20020404				
EP 1171441 A1 20020116			EP 2000-927435	20000419
EP 1171441 B1 20040609				
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002542247 T2 20021210			JP 2000-612300	20000419
AT 268773 E 20040615			AT 2000-927435	20000419
US 6696457 B1 20040224			US 2002-959020	20020402
PRIORITY APPLN. INFO:			IT 1999-MI816 A 19990420	
			WO 2000-GB1516 W 20000419	

OTHER SOURCE(S): MARPAT 133:322035  
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L7 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

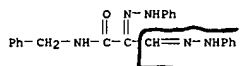
AB The heterocycle-condensed morphinoid deriva. I (R = H, Me; R1 = H, OH, Cl-5-alkoxy; R2 = Cl-6-alkyl; R3 = COR7, R7 = iso-Pr, iso-Bu, EtO, iso-butoxy, NR8R9, R8, R9 = H, Et, iso-Pr, cyclohexyl, Ph, benzyl 2-pyridylmethyl, 2,5-dimethylpiperazinyl, 2-phenylbutyl, 3-, 4-fluorobenzyl, 4-bromobenzyl, 4-(trifluoromethyl)benzyl, 4-isopropylbenzyl, R8R9 together form a C5 aromatic ring, which is fused at the 3 and 4 positions to a Ph ring to form a 2-isoquinolinyl ring; R4 = H, Cl-6) alkyl were prepared as delta opioid receptor agonists. Thus the 10,4b-(iminoethano)phenanthro[3,2-b]pyrrole I (R = Me, R1 = OH, R2 = Me, R3 = CON(CHMe)2, R4 = H) was treated with vinyl chloroformate containing proton sponge in 1,2-dichloroethane to give I (R = H, R1 = OH, R2 = Me, R3 = CON(CHMe)2, R4 = H) (II). II showed superior in vitro metabolic stability at 1.3 mL/min/g liver compared to 5.7 for the N-Me compound 193613-74-0  
IT RL: RCT (Reactant); RACT (Reactant or reagent)  
RN (preparation of morphinoid compds. as opiate receptor agonists)  
CN Butanamide, N-(1-methylethyl)-3-oxo-2-(phenylhydrazono)-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS  
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

L7 ANSWER 9 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:458631 CAPLUS  
DOCUMENT NUMBER: 133:222181  
TITLE: Chemistry of diazopolycarbonyl compounds: VI. Reactions of 3-diazo-2-oxopropionic acid derivatives with phenylhydrazine  
Zalesov, V. V.; Vyaznikova, N. G.; Andreichikov, Yu. S.  
CORPORATE SOURCE: Perm State University, Perm, 614600, Russia  
SOURCE: Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (2000), 36(1), 55-59  
CODEN: RJOCEQ; ISSN: 1070-4280  
PUBLISHER: MAIK Nauka/Interperiodica Publishing  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 133:222181  
AB 3-Diazo-2-oxopropionic acid esters and amides react with phenylhydrazine to afford osazones. The structure of the products and mechanism of their formation are discussed.  
IT 291536-50-OP  
RL: SPN (Synthetic preparation); PREP (Preparation)  
RN (preparation from phenylhydrazine and 3-diazo-2-oxopropionic acid deriva.)  
RN 291536-50-0 CAPLUS  
CN Propanamide, 2,3-bis(phenylhydrazono)-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



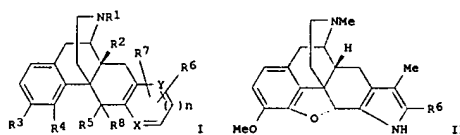
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS  
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

L7 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1997:549379 CAPLUS  
 DOCUMENT NUMBER: 127:162011  
 TITLE: Preparation of heterocycle-condensed morphinoid derivatives for use as analgesics  
 INVENTOR(S): Dondio, Giulio; Ronzoni, Silvano; Gatti, Pier Andrea; Graziani, Davide  
 PATENT ASSIGNEE(S): SmithKline Beecham S.P.A., Italy; Dondio, Giulio; Ronzoni, Silvano; Gatti, Pier Andrea; Graziani, Davide  
 SOURCE: PCT Int. Appl., 49 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

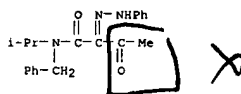
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9725331	A1	19970717	WO 1997-EP120	19970108
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TH				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2242609	AA	19970717	CA 1997-2242609	19970108
AU 9714410	A1	19970801	AU 1997-14410	19970108
AU 706370	B2	19990617		
EP 880526	A1	19981202	EP 1997-901009	19970108
EP 880526	B1	20021218		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, RO, SI, FI, IE				
CN 1213372	A	19990407	CN 1997-192879	19970108
CN 1090190	B	20020904		
BR 9707136	A	19990831	BR 1997-7136	19970108
NZ 326331	A	20000128	NZ 1997-326331	19970108
JP 2000503019	T2	20000314	JP 1997-524871	19970108
AT 229958	E	20030115	AT 1997-901009	19970108
ES 2188888	T3	20030701	ES 1997-901009	19970108
ZA 9700172	A	19980709	ZA 1997-172	19970108
NO 9803169	A	19980909	NO 1998-3169	19980709
US 6365594	B1	20020402	US 1999-101213	19990222
PRIORITY APPLN. INFO.:			IT 1996-MI29	A 19960110
			IT 1996-MI2291	A 19961105
			WO 1997-EP120	W 19970108

OTHER SOURCE(S): MARPAT 127:162011  
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L7 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



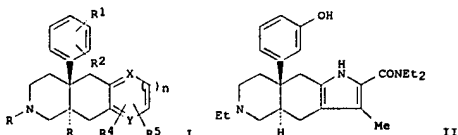
AB Substituted mono heterocycle-condensed morphinoid derivs. I [R1 = H, alkyl, cycloalkyl, alkenyl, aryl, aralkyl; R2 = H, OH, alkoxy, halogen, NO2, amino, SH; R3 = H, alkyl, OH, alkoxy, halogen; R4 = R5 = H, OH, alkoxy, OPh; or R4R5 = Or R6 = carboxamide, acyl, thioacyl, carbonyl; R7 = H, alkyl, alkenyl, halogen; R8 = H, alkyl; X = Y = CH, O, S, NR1; n = 0, 1], potent and selective delta opioid agonists and antagonists, were prepared for use as analgesics and for treating pathol. conditions which, customarily, can be treated with agonists and antagonists of the delta opioid receptor. Thus, morphinoid II [R6 = CON(CHMe2)CH2Ph] was prepared by cyclization of 7,8-dihydrocodeinone and N-benzyl-N-isopropyl-2-phenylhydrazono. The morphinoid compds. showed affinities for the delta receptor ranging from 0.5 to 200 nM with delta selectivity ranging from 20 - 1500 times with respect to other opioid receptor types.  
 IT 193613-74-0  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of heterocycle-condensed morphinoid derivs., potent and selective delta opioid agonists and antagonists, for analgesic and other pharmacol. uses)  
 RN 193613-74-0 CAPLUS  
 CN Butanamide, N-(1-methylethyl)-3-oxo-2-(phenylhydrazono)-N-(phenylmethyl)-(9CI) (CA INDEX NAME)



L7 ANSWER 11 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1995:563367 CAPLUS  
 DOCUMENT NUMBER: 122:314536  
 TITLE: Preparation of pyrrolohydroisoquinolines as opioid receptor agonists and antagonists  
 INVENTOR(S): Dondio, Giulio; Ronzoni, Silvano  
 PATENT ASSIGNEE(S): SmithKline Beecham Farmaceutici S.p.A., Italy  
 SOURCE: PCT Int. Appl., 58 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

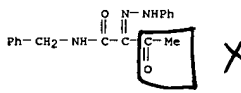
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9504734	A1	19950216	WO 1994-EP2325	19940714
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ, VN				
RW: KE, MW, SD, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2168853	AA	19950216	CA 1994-2168853	19940714
AU 9474937	A1	19950228	AU 1994-74937	19940714
AU 690576	B2	19980430		
EP 712402	A1	19960522	EP 1994-924764	19940714
EP 712402	B1	20020410		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CN 1132510	A	19961002	CN 1994-193633	19940714
CN 1043641	B	19990616		
AT 215949	E	20020415	AT 1994-924764	19940714
ES 2173921	T3	20021101	ES 1994-924764	19940714
ZA 9405831	A	19950322	ZA 1994-5831	19940804
US 5731322	A	19980324	US 1996-591514	19960418
PRIORITY APPLN. INFO.:			IT 1993-MI1788	A 19930806
			IT 1994-MI202	A 19940204
			WO 1994-EP2325	W 19940714

OTHER SOURCE(S): MARPAT 122:314536  
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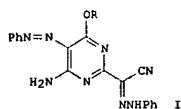
L7 ANSWER 11 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Pyrrolohydroisoquinolines I [R = H, alkyl, cycloalkyl, furanyl, etc.; R1, R2 = H, OH, alkoxy, halo, etc.; R3 = H, HO, alkoxy; R4 = (un)substituted aryl; R5 = H, alkyl, alkenyl, CF3, (un)substituted aryl; n = 0, 1; X, Y, NH, O, S, (un)substituted C], useful as analgesics, immunomodulators and cardiovascular agents, are prepared. Thus, (-)-pyrroloisoquinoline II was prepared by cyclization of (-)-trans-2-ethyl-4a-(3-methoxyphenyl)-6-oxodecahydroisoquinoline hydrochloride with CH3CO(NNHPh)CONEt2 followed by O-demethylation. The most potent I showed affinities for delta-opioid receptors ranging from 0.5 to 200 nM with a selectivity for the delta-receptor of 30-1500 times greater than that of other opioid receptor types.  
 IT 93818-88-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of hydroisoquinolines as opioid receptor agonists and antagonists)  
 RN 93818-88-3 CAPLUS  
 CN Butanamide, 3-oxo-2-(phenylhydrazono)-N-(phenylmethyl)-(9CI) (CA INDEX NAME)

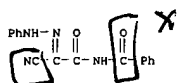




L7 ANSWER 12 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1994:534063 CAPLUS  
 DOCUMENT NUMBER: 121:134063  
 TITLE: Studies with polyfunctionally substituted heteroaromatics: arylhydrazononitriles for the synthesis of polyfunctionally substituted azines  
 AUTHOR(S): Elnagdi, Mohamed Hilmy; Elghandour, Ahmed Hafez Hussien; Harb, Abdel Fattah Ali; Hussien, Abdel Haleem  
 CORPORATE SOURCE: Mostafa; Metwally, Saoud Abdel Meniem  
 SOURCE: Dep. Chem., Cairo Univ., Giza, Egypt  
 Heterocycles (1994), 38(4), 739-50  
 CODEN: HTCYAM; ISSN: 0385-5414  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 121:134063  
 GI

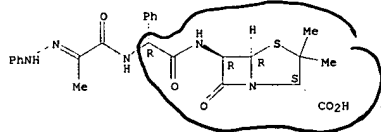


AB The reaction of arylhydrazononitriles with naphthols, phenols and glycine is reported. Thus, reaction of PhNNH:C(CN)2 with 2-naphthol (ROH) gave PhNNH:C(CN)C(=NH)OR which on refluxing in pyridine in the presence of copper acetate gave 1.  
 IT 157020-78-5P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and cyclization of)  
 RN 157020-78-5 CAPLUS  
 CN Benzamide, N-[cyano(phenylhydrazono)acetyl]- (9CI) (CA INDEX NAME)



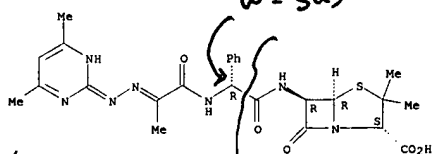
$Z = CN$

L7 ANSWER 13 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 139959-24-3 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-[[4,6-dimethyl-2-pyrimidinyl]hydrazono]-1-oxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2a,5a,6β(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.



tautomer

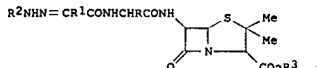
$Z = Me$

$X^2 = H$

L7 ANSWER 13 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1992:173885 CAPLUS  
 DOCUMENT NUMBER: 116:173885  
 TITLE: Preparation of new α-aminoacylpenicillin derivatives  
 INVENTOR(S): Obraca, Ruth; Teubner, Herbert; Quittschorr, Gisela; Titze, Helmut; Lohmann, Dieter  
 PATENT ASSIGNEE(S): Arzneimittelwerk Dresden G.m.b.H., Germany  
 SOURCE: Ger. (East), 5 pp.  
 CODEN: GEXXA8  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 295384	A5	19911031	DD 1988-322603	19881205
PRIORITY APPLN. INFO.:			DD 1988-322603	19881205

 OTHER SOURCE(S): MARPAT 116:173885  
 GI



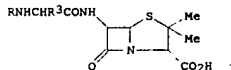
AB Penicillins I (R = Ph, MeC6H4, ClC6H4, HOC6H4, 2,6-(MeO)2C6H3; R1 = H, alkyl, acyl, substituted aryl; R2 = aryl, substituted aryl, heterocyclic, alkoxyacyl; R3 = H, cation, ester group) were prepared from the aminoacetamidopenam and R2NNH:CR1CO2H. Thus, reaction of ampicillin Na salt with PhNNH:CMeco2H gave 6% I (R = R2 = Ph, R1 = Me, R3 = H).  
 IT 139959-20-9P 139959-24-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 139959-20-9 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[[[1-oxo-2-(phenylhydrazono)propyl]amino]phenylacetyl]amino]-, [2S-[2a,5a,6β(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

L7 ANSWER 14 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1992:128502 CAPLUS  
 DOCUMENT NUMBER: 116:128502  
 TITLE: Preparation of α-aminoacylpenicillins as antibiotics  
 INVENTOR(S): Heinisch, Lothar; Hanschke, Klaus G.; Moellmann, Ute; Wallitter, Horst; Stengel, Knut; Thrum, Heinz; Stopsack, Heinz  
 PATENT ASSIGNEE(S): Akademie der Wissenschaften der DDR, Germany  
 SOURCE: Ger. (East), 8 pp.  
 CODEN: GEXXA8  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 294486	A5	19911002	DD 1984-268496	19841018
PRIORITY APPLN. INFO.:			DD 1984-268496	19841018

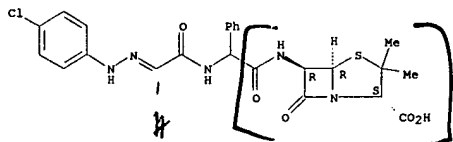
 OTHER SOURCE(S): MARPAT 116:128502  
 GI



AB Title compds. [I: R = COCR1:NNHCR2; R1 = H, allyl, aryl; R2 = alkenyl, (un)substituted aryl, heterocyclyl, etc.; R3 = (un)substituted Ph] were prepared. Thus, ampicillin was condensed with HO2CCH:NNHCO2C6H4(OPh)-4 to give I [R = COCH:NNHCO2C6H4(OPh)-4, R3 = Ph] which were >20 times as active as ampicillin against Klebsiella pneumoniae SG 117 in vitro.  
 IT 139397-64-1P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation of, as antibiotic)  
 RN 139397-64-1 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[4-chlorophenyl]hydrazono]acetyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2a,5a,6β]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

L7 ANSWER 14 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

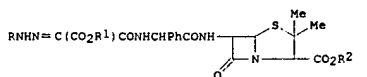


L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1991:655896 CAPLUS  
 DOCUMENT NUMBER: 115:255896  
 TITLE: Semisynthetic ampicillin arylhydrazones  
 INVENTOR(S): Schmidt, Hans Joerg; Scheffler, Reingard; Strobel, Juergen; Kammann, Guenter; Toenjes, Heinz; Poetter, Heinrich; Wichmann, Georg  
 PATENT ASSIGNEE(S): Arzneimittelwerk Dresden G.m.b.H., Germany  
 SOURCE: Ger. (East), 9 pp.  
 CODEM: GEXXA8  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 290888	A5	19910613	DD 1987-310017	19871207
PRIORITY APPL. INFO.:			DD 1987-310017	19871207

OTHER SOURCE(S): MARPAT 115:255896  
 GI



AB Bactericidal (no data) penicillins I {R = Ph, substituted Ph, naphthyl; R1 = alkyl, aryl; R2 = H, Na, K, NH4} were prepared by acylating ampicillin with RNHN:C(CO2R1)CO2H. Thus, 2-ClC6H4NH2 was diazotized and treated with CH2(CO2Me)2 to give 2-ClC6H4NHN:C(CO2Me)2 which was hydrolyzed to the mono ester and used to acylate ampicillin, giving I (R = 2-ClC6H4, R1 = Me, R2 = Na).

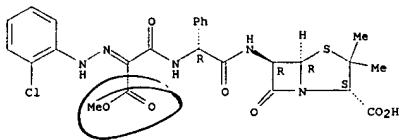
IT 136966-30-8P 136966-31-9P 136966-32-0P  
 136966-33-1P 136966-34-2P 136966-35-3P  
 136966-36-4P 136966-37-5P 136966-38-6P  
 136966-39-7P 136966-40-0P 136966-41-1P  
 136966-42-2P 136966-43-3P 136966-44-4P  
 136966-45-5P 136966-46-6P 136966-47-7P  
 136966-48-8P 136966-49-9P 136966-50-2P  
 136966-51-3P 136966-52-4P 136966-53-5P  
 136966-54-6P 136966-55-7P 136966-56-8P  
 136966-57-9P 136966-58-0P 136966-59-1P  
 136966-60-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 136966-30-8 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-[[2-

L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

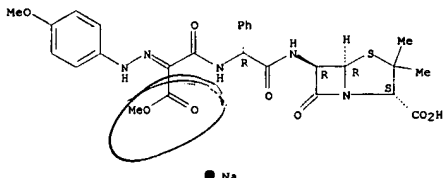
chlorophenyl]hydrazone]-3-methoxy-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.



RN 136966-31-9 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-methoxy-2-[[4-methoxyphenyl]hydrazone]-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

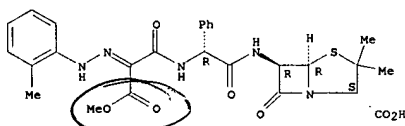
Absolute stereochemistry.  
 Double bond geometry unknown.



RN 136966-32-0 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-methoxy-2-[[2-methylphenyl]hydrazone]-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

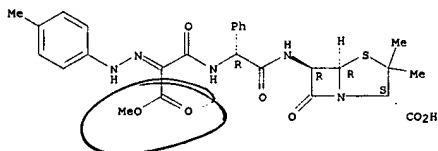
L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

RN 136966-33-1 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-methoxy-2-[[4-methylphenyl]hydrazone]-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

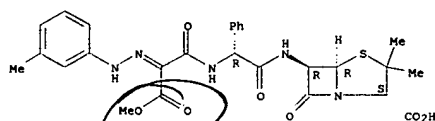


● Na

RN 136966-34-2 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-methoxy-2-[[3-methylphenyl]hydrazone]-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

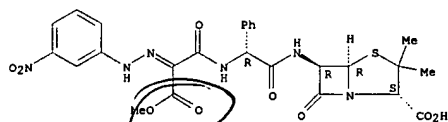
Absolute stereochemistry.  
 Double bond geometry unknown.

L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 136966-35-3 CAPLUS  
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-methoxy-2-[(3-nitrophenyl)hydrazono]-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

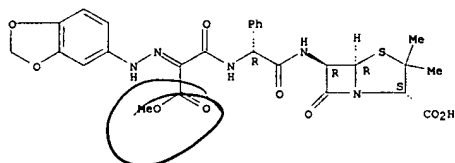
Absolute stereochemistry.  
Double bond geometry unknown.



● Na

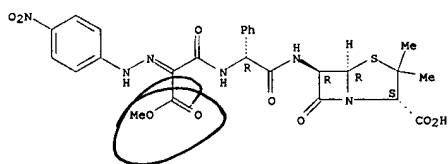
RN 136966-36-4 CAPLUS  
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-(1,3-benzodioxol-5-ylhydrazono)-3-methoxy-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.



L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
dimethyl-7-oxo-, monosodium salt, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

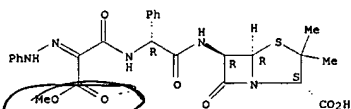
Absolute stereochemistry.  
Double bond geometry unknown.



● Na

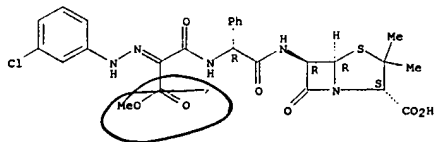
RN 136966-40-0 CAPLUS  
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-methoxy-1,3-dioxo-2-(phenylhydrazono)propyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.



RN 136966-41-1 CAPLUS  
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-(1,3-chlorophenyl)hydrazono]-3-methoxy-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

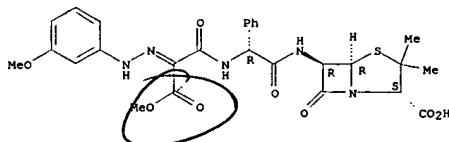
Absolute stereochemistry.  
Double bond geometry unknown.



L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 136966-37-5 CAPLUS  
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-methoxy-2-[(3-methoxyphenyl)hydrazono]-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

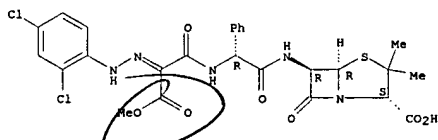
Absolute stereochemistry.  
Double bond geometry unknown.



● Na

RN 136966-38-6 CAPLUS  
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-(4-dichlorophenyl)hydrazono]-3-methoxy-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.



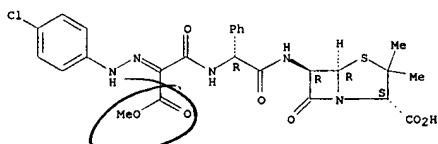
● Na

RN 136966-39-7 CAPLUS  
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-methoxy-2-[(4-nitrophenyl)hydrazono]-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

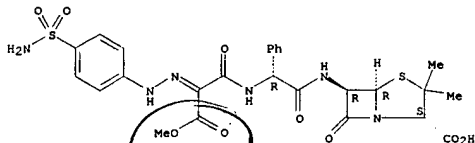
RN 136966-42-2 CAPLUS  
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-(4-chlorophenyl)hydrazono]-3-methoxy-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.



RN 136966-43-3 CAPLUS  
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-(4-aminosulfonylphenyl)hydrazono]-3-methoxy-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.

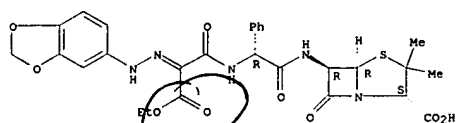


RN 136966-44-4 CAPLUS  
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-(1,3-benzodioxol-5-ylhydrazono)-3-ethoxy-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2α,5α,6β(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.

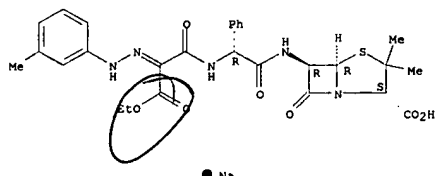


L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 136966-45-5 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-ethoxy-2-((3-methylphenyl)hydrazono)-1,3-dioxopropylamino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

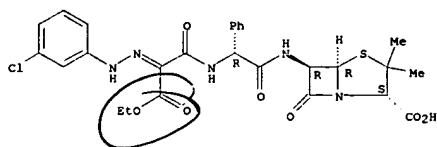


● Na

RN 136966-46-6 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-((3-chlorophenyl)hydrazono)-3-ethoxy-1,3-dioxopropylamino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

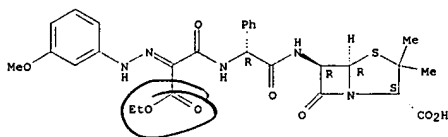
L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

RN 136966-47-7 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-ethoxy-2-((3-methoxyphenyl)hydrazono)-1,3-dioxopropylamino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

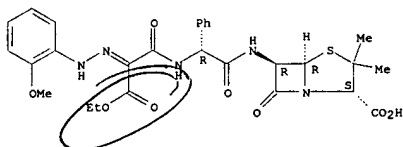


● Na

RN 136966-48-8 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-ethoxy-2-((2-methoxyphenyl)hydrazono)-1,3-dioxopropylamino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

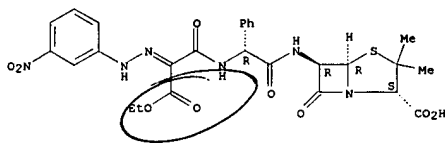
L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

RN 136966-49-9 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-ethoxy-2-((3-nitrophenyl)hydrazono)-1,3-dioxopropylamino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

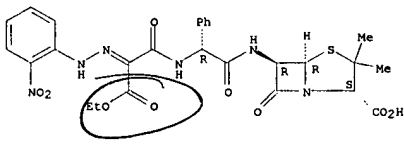


● Na

RN 136966-50-2 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-ethoxy-2-((2-nitrophenyl)hydrazono)-1,3-dioxopropylamino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

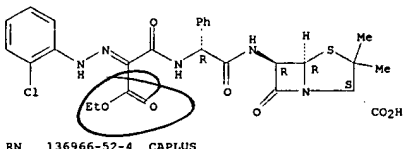
L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

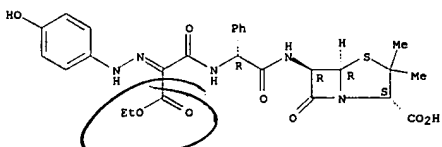
RN 136966-51-3 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-((2-chlorophenyl)hydrazono)-3-ethoxy-1,3-dioxopropylamino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.



RN 136966-52-4 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-ethoxy-2-((4-hydroxyphenyl)hydrazono)-1,3-dioxopropylamino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]-(9CI) (CA INDEX NAME)

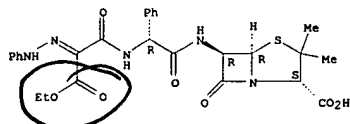
Absolute stereochemistry.  
 Double bond geometry unknown.



RN 136966-53-5 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-ethoxy-1,3-

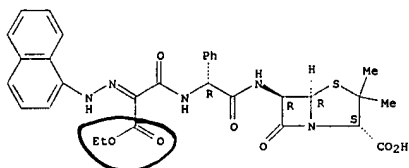
L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 dioxo-2-(phenylhydrazono)propyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.



RN 136966-54-6 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-ethoxy-2-(1-naphthalenylhydrazono)-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]- (9CI) (CA INDEX NAME)

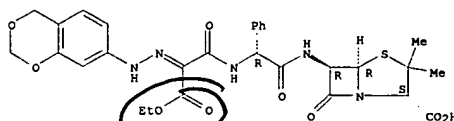
Absolute stereochemistry.  
 Double bond geometry unknown.



RN 136966-55-7 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-(4H-1,3-benzodioxin-7-ylhydrazono)-3-ethoxy-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]- (9CI) (CA INDEX NAME)

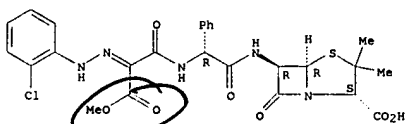
Absolute stereochemistry.  
 Double bond geometry unknown.

L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 136966-56-8 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[2-[(2-chlorophenyl)hydrazono]-3-methoxy-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

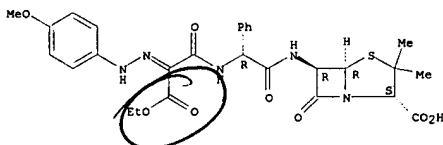


• Na

RN 136966-57-9 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-ethoxy-2-[(4-methoxyphenyl)hydrazono]-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

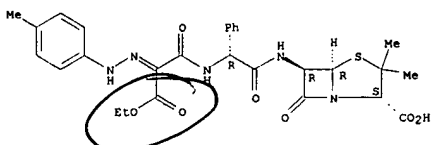
L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



• Na

RN 136966-58-0 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-ethoxy-2-[(4-methylphenyl)hydrazono]-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

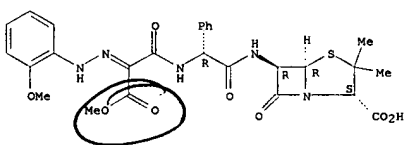


• Na

RN 136966-59-1 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-methoxy-2-[(2-methoxyphenyl)hydrazono]-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

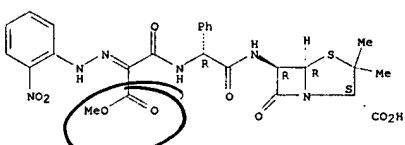
L7 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



• Na

RN 136966-60-4 CAPLUS  
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-methoxy-2-[(2-nitrophenyl)hydrazono]-1,3-dioxopropyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ (S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry unknown.

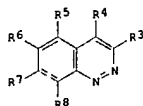


• Na

L7 ANSWER 16 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1988:186758 CAPLUS  
 DOCUMENT NUMBER: 108:186758  
 TITLE: Preparation and formulation of cinnolinecarboxamides as anxiolytics  
 INVENTOR(S): Resch, James F.  
 PATENT ASSIGNEE(S): ICI Americas, Inc., USA  
 SOURCE: Ger. (East), 37 pp.  
 CODEN: GEXXA8  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 249011	A5	19870826	DD 1986-291515	19860620
PRIORITY APPLN. INFO.:			DD 1986-291515	19860620

OTHER SOURCE(S): CASREACT 108:186758  
 GI

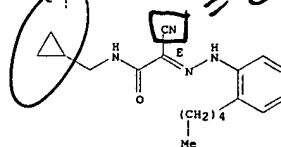


AB The title compds. [I: R3 = aminocarbonyl, alkoxy, acyl; R4 = amino, hydroxy, alkoxy, acyloxy; R5-R8 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, (substituted) aryl, alkoxy, alkenyloxy, OH, NO2, cyano, amino] were prepared as sedatives and tranquilizers. CH2:CHCH2NH2 was added to a mixture of 4-amino-8-pentyl-3-cinnolinecarboxylic acid and carbonyldiimidazole in DMF and the mixture was stirred at room temperature to give  
 85% I (R3 = CONHCHCH2, R4 = NH2, R5 = R6 = R7 = R8 = H). I displaced flunitrazepam from rat cerebral cortex preps. with IC50  $\leq$  500 nM.

IT 114153-26-3P 114153-53-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as intermediate in preparation of cinnolinecarboxylate tranquilizer)  
 RN 114153-26-3 CAPLUS  
 CN Acetamide, 2-cyano-N-(cyclopropylmethyl)-2-[(2-pentylphenyl)hydrazono]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

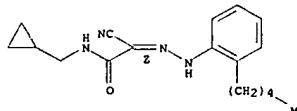
L7 ANSWER 16 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



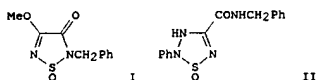
RN 114153-53-6 CAPLUS

CN Acetamide, 2-cyano-N-(cyclopropylmethyl)-2-[(2-pentylphenyl)hydrazono]-, (E)- (9CI) (CA INDEX NAME)

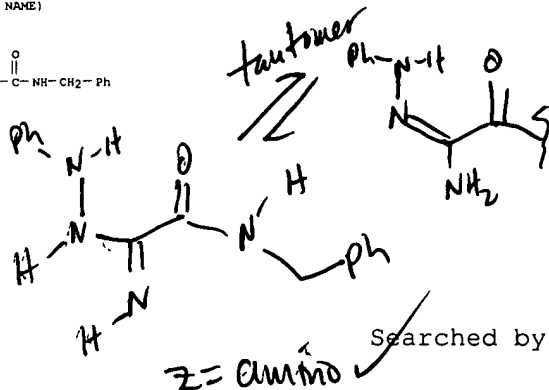
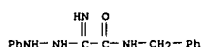
Double bond geometry as shown.



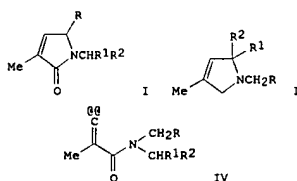
L7 ANSWER 17 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1986:626451 CAPLUS  
 DOCUMENT NUMBER: 105:226451  
 TITLE: 1,2,5-Thiadiazole 1-oxides. IV. Ring transformation to  
 1,2,3,5-thiadiazole and 1,2,4,6-thiadiazine 1-oxide  
 AUTHOR(S): Karady, Sándor; Amato, Joseph S.; Reamer, Robert A.; Weinstein, Leonard M.  
 CORPORATE SOURCE: Process Res. Dep., Merck Sharp Dohme Res. Lab., Rahway, NJ, 07065, USA  
 SOURCE: Tetrahedron Letters (1985), 26(50), 6155-8  
 CODEN: TELEAY; ISSN: 0040-4039  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 105:226451  
 GI



AB 2-Alkyl-1,2,5-thiadiazole-3-one 1-oxides were converted to 1,2,3,5-thiadiazole 1-oxides and 1,2,4,6-thiadiazine 1-oxides. The postulated intermediate of these rearrangements, a sulfinylamine, was isolated. Thus the thiadiazolone oxide I was treated with PhNHNH2 to give  
 the thiadiazole oxide II in 47% yield.  
 IT 105439-77-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 105439-77-8 CAPLUS  
 CN Ethanimidic acid, oxo[(phenylmethyl)amino]-, 2-phenylhydrazide (9CI) (CA INDEX NAME)



L7 ANSWER 18 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1986:590830 CAPLUS  
 DOCUMENT NUMBER: 105:190830  
 TITLE: Reactions of alkylidenecarbenes derived from N,N-disubstituted-2-oxopropanamides: the formation  
 of  
 3-pyrrol-2-ones and 2-butanamides  
 AUTHOR(S): Gilbert, John C.; Blackburn, Brent K.  
 CORPORATE SOURCE: Dep. Chem., Univ. Texas, Austin, TX, 78712, USA  
 SOURCE: Journal of Organic Chemistry (1986), 51(19), 3656-63  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 105:190830  
 GI



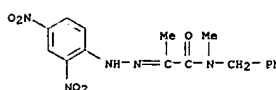
AB The treatment of title propanamides MeCOCON(CH2R)CHR1R2 [R = R2 = H, R1 = H, Pr, Ph; R = R1 = Me, R2 = H; RR1 = (CH2)3, R2 = H, Me; RR1 = CH2CH(CMe3)CH2, R2 = H] with (EtO)2P(O)CH:N2 under basic conditions gave 3-pyrrol-2-ones I and II and 2-butanamides MeC(=O)CH2CON(CH2R)CHR1R2 (III) via carbene intermediates IV. I and II were obtained by the 1,5

C-H insertion of IV, whereas III formed from a 1,2 shift in IV. A solvent effect that altered the relative ratio of I:III was observed. A mechanism was discussed.

IT 103438-36-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 103438-36-4 CAPLUS

CN Propanamide, 2-[(2,4-dinitrophenyl)hydrazono]-N-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



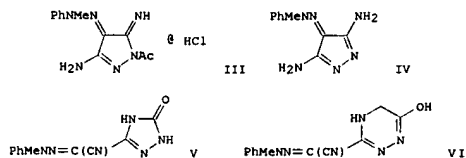
Searched by Jason M. Nolan

Page 44

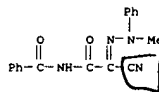
L7 ANSWER 18 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L7 ANSWER 19 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1984:407123 CAPLUS  
 DOCUMENT NUMBER: 101:7123  
 TITLE: Reactions with arylhydrazones of  $\alpha$ -cyano ketones. Part II. Synthesis of some new  $\alpha$ -arylhydrazono nitriles  
 AUTHOR(S): Ibrahim, Mohamed Kamal Ahmed; Sadek, Kamal Usef  
 CORPORATE SOURCE: Fac. Sci., Minia Univ., Giza, Egypt  
 SOURCE: Polish Journal of Chemistry (1983), 57(1-3), 153-60  
 CODEN: PJCHDQ; ISSN: 0137-5083  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 101:7123  
 GI



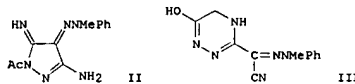
AB PhMeNN:C(CN)CONHNHR (I, R = Ac, Bz, COCH<sub>2</sub>CO<sub>2</sub>Me, CO<sub>2</sub>Et) were obtained in 50-70% yields by acylation of I (R = H) with AcCl, BzCl, MeCOCH<sub>2</sub>CO<sub>2</sub>Et, and  
 and ClCO<sub>2</sub>Et. Acylation of PhMeNN:C(CN)C(NH<sub>2</sub>):NNH<sub>2</sub> (II) by AcCl gave 65% dihydroiminopyrazole III which was treated with NH<sub>4</sub>OH to give 80% aminopyrazole IV. Treatment of II with BzCl gave 60% PhMeNN:C(CN)C(NHBz):NNH<sub>2</sub> which was hydrolyzed to give 60% PhMeNN:C(CN)CONHBz. Treatment of II with ClCO<sub>2</sub>Et gave 75% triazone V and cyclization of II with ClCH<sub>2</sub>CO<sub>2</sub>Et gave 65% triazine VI.  
 IT 88482-49-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and cyclocondensation with Et hydrazonoacetate)  
 RN 88482-49-9 CAPLUS  
 CN Benzamide, N-[cyano(methylphenylhydrazono)acetyl]- (9CI) (CA INDEX NAME)



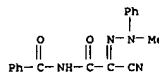
L7 ANSWER 19 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L7 ANSWER 20 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1984:51507 CAPLUS  
 DOCUMENT NUMBER: 100:51507  
 TITLE: Reactions with arylhydrazones of  $\alpha$ -cyanoketones: synthesis of new  $\alpha$ -arylhydrazononitriles  
 AUTHOR(S): Kandeel, Ezat M.; Ibrahim, Mohamed K.; Sadek, Kamal U.; Elnagdi, Mohamed H.  
 CORPORATE SOURCE: Fac. Sci., Mansoura Univ., Mansoura, Egypt  
 SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1983), 316(12), 977-84  
 CODEN: ARPHAS; ISSN: 0365-6233  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 100:51507  
 GI

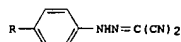


AB PhMeNN:C(CN)CONHNH<sub>2</sub> and PhMeNN:C(CN)C(NH<sub>2</sub>):NNH<sub>2</sub> (I) reacted with nucleophilic agents such as AcCl, BzCl, AcCH<sub>2</sub>CO<sub>2</sub>Et, ClCO<sub>2</sub>Et, Ac<sub>2</sub>CH<sub>2</sub>, H<sub>2</sub>CO, BzH, PhNCO, and PhNCS to give compds. such as PhMeNN:C(CN)CONHNHAc, PhMeNN:C(CN)C(:NNH<sub>2</sub>)NHCOCH<sub>2</sub>Ac, and PhMeNN:C(CN)CONHNHC(X)NHPh (X = O, S). Thus, I and AcCl gave 65% pyrazole II and I reacted with ClCH<sub>2</sub>CO<sub>2</sub>Et to give 65% triazine III.  
 IT 88482-49-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 88482-49-9 CAPLUS  
 CN Benzamide, N-[cyano(methylphenylhydrazono)acetyl]- (9CI) (CA INDEX NAME)

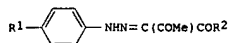


Same ↑

L7 ANSWER 21 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:  
DOCUMENT NUMBER:  
TITLE:1983:181105 CAPLUS  
98:181105Studies of the photochemical bleaching behavior of  
tautomeric monoazo dyes. III. Photochemical  
degradation of malononitrile 2- and acetylacetone  
3-phenylhydrazones and their derivatives in polymer  
matrixAUTHOR(S):  
CORPORATE SOURCE:  
SOURCE:Haessner, R.; Epperlein, J.  
Direktorat Forsch. Entwickl., VEB Fotochem. Kombinat  
Wolfen, Wolfen, DDR-4440, Ger. Dem. Rep.  
Journal fuer Signalaufzeichnungsmaterialien (1982),  
10(5), 373-6  
CODEN: JSZMAE; ISSN: 0323-598XDOCUMENT TYPE:  
LANGUAGE:  
GIJournal  
German

I



II

AB Photolysis by 660-nm light of I (R = H, NET2) or II (R1 = H, Ac, Me, OMe,  
NET2; R2 = Me, NHPh, NHCH2Ph) incorporated in polymer films and  
sensitizedby methylene blue [61-73-4] gave CO2 and HCN in the case of I and only  
CO2 in the case of II. I (R = NET2) [85415-01-6], II (R1 = NET2, R2 =  
NHPh) [69674-89-1], and II (R1 = NET2, R2 = NHCH2Ph) [85415-00-5]  
also formed 4-Et2NC6H4N2+ [21906-90-1]. Irradiation of I in a

Xenotest

apparatus resulted in complete disappearance of the CN band at 2200 cm-1.

IT 85415-00-5

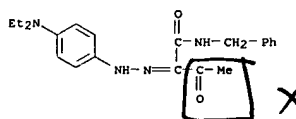
RL: RCT (Reactant); RACT (Reactant or reagent)  
(photodegradn. of, in polymer matrix)

RN 85415-00-5 CAPLUS

CN Butanamide, 2-[[4-(diethylamino)phenyl]hydrazone]-3-oxo-N-(phenylmethyl)-  
(9CI) (CA INDEX NAME)

L7 ANSWER 21 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



L7 ANSWER 22 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:  
DOCUMENT NUMBER:  
TITLE:1977:468608 CAPLUS  
87:68608Phenylhydrazone derivatives of N-acetoacetyl amino  
compounds: a new antitachycardiac agent

AUTHOR(S):

El-Abadela, Mustafa M.; Sabri, Salim S.; Owais,

CORPORATE SOURCE:

Wajih, M.; Tabb, Hani D.  
Chem. Dep., Jordan Univ., Amman, Jordan  
Chemistry & Industry (London, United Kingdom) (1977),  
(5), 200-1

SOURCE:

CODEN: CHINAG; ISSN: 0009-3068

DOCUMENT TYPE:

Journal

LANGUAGE:

English

AB The N-acetoacetyl derivs. of 20 amino acids and other amino compds. on  
treatment with a slight excess of PhN2+ Cl- in aqueous pyridine at 0-5°  
for 3-5 min gave 65-93% phenylhydrazones. E.g., DL-MeCOCH2CONHCHPhCO2Me  
with PhN2+ Cl- gave DL-MeCOC(=NNHPh)CONHCHPhCO2Me. N-acetoacetyl-(-)-  
ephedrine phenylhydrazone showed antitachycardiac activity at 1 mg/kg

i.p.

N-acetoacetyl-L-leucine phenylhydrazone showed slight herbicidal activity  
(no data). The UV and CD spectra of some of the phenylhydrazones are  
discussed.

IT 63701-33-7P

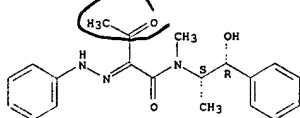
RL: SPN (Synthetic preparation); PREP (Preparation)  
(antitachycardiac agent, preparation of)

RN 63701-33-7 CAPLUS

CN Butanamide, N-(2-hydroxy-1-methyl-2-phenylethyl)-N-methyl-3-oxo-2-  
(phenylhydrazone)-, [R-(R',S')]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.



IT 63664-22-2P 63664-23-3P 63664-24-4P

63664-25-5P 63664-26-6P 63664-28-8P

63664-29-9P 63664-30-2P 63664-31-3P

63701-34-8P 63701-78-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 63664-22-2 CAPLUS

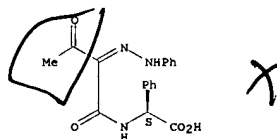
CN Benzeneacetic acid, α-([1,3-dioxo-2-(phenylhydrazone)butyl]amino)-,  
(S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

L7 ANSWER 22 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)

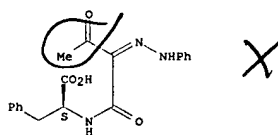


RN 63664-23-3 CAPLUS

CN L-Phenylalanine, N-[1,3-dioxo-2-(phenylhydrazone)butyl]- (9CI) (CA INDEX  
NAME)

Absolute stereochemistry.

Double bond geometry unknown.

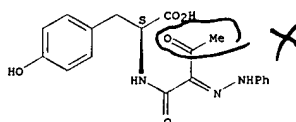


RN 63664-24-4 CAPLUS

CN L-Tyrosine, N-[1,3-dioxo-2-(phenylhydrazone)butyl]- (9CI) (CA INDEX  
NAME)

Absolute stereochemistry.

Double bond geometry unknown.



RN 63664-25-5 CAPLUS

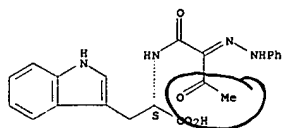
CN L-Tryptophan, N-[1,3-dioxo-2-(phenylhydrazone)butyl]- (9CI) (CA INDEX  
NAME)

Absolute stereochemistry.

Double bond geometry unknown.

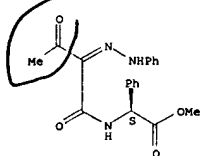


L7 ANSWER 22 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



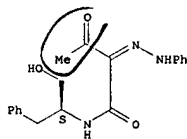
RN 63664-26-6 CAPLUS  
CN Benzeneacetic acid,  $\alpha$ -([1,3-dioxo-2-(phenylhydrazono)butyl]amino)-methyl ester, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.



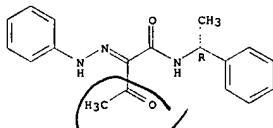
RN 63664-28-8 CAPLUS  
CN Butanamide, N-[1-(hydroxymethyl)-2-phenylethyl]-3-oxo-2-(phenylhydrazono)-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.

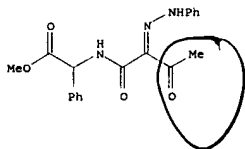


RN 63664-29-9 CAPLUS  
CN Butanamide, 3-oxo-N-(1-phenylethyl)-2-(phenylhydrazono)-, (S)- (9CI) (CA INDEX NAME)

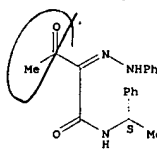
L7 ANSWER 22 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 63701-78-0 CAPLUS  
CN Benzeneacetic acid,  $\alpha$ -([1,3-dioxo-2-(phenylhydrazono)butyl]amino)-methyl ester (9CI) (CA INDEX NAME)

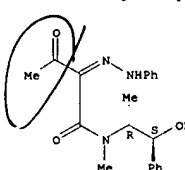


L7 ANSWER 22 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
Absolute stereochemistry.  
Double bond geometry unknown.

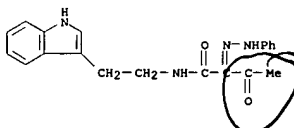


RN 63664-30-2 CAPLUS  
CN Butanamide, N-[2-(2-hydroxy-1-methyl-2-phenylethyl)-N-methyl-3-oxo-2-(phenylhydrazono)-, (R\*,S\*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
Double bond geometry unknown.



RN 63664-31-3 CAPLUS  
CN Butanamide, N-[2-(1H-indol-3-yl)ethyl]-3-oxo-2-(phenylhydrazono)- (9CI) (CA INDEX NAME)



RN 63701-34-8 CAPLUS  
CN Butanamide, 3-oxo-N-(1-phenylethyl)-2-(phenylhydrazono)-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.

L7 ANSWER 23 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1973:453224 CAPLUS

DOCUMENT NUMBER: 79:53224

TITLE: Reactions with 3,5-pyrazolinediones. II. Behavior of

4-(aryloxy)-1-phenylpyrazoline-3,5-diones towards Grignard reagents, amines, and diazomethane Elnagdi, Mohamed H.; Shawali, Ahmad S.; Elokbi, Mohamed R.

CORPORATE SOURCE: Fac. Sci., Univ. Cairo, Giza, Egypt

SOURCE: Indian Journal of Chemistry (1973), 11(3), 219-21

CODEN: IJOCAP; ISSN: 0019-5103

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

AB 4-Aryloxy-1-phenylpyrazolidine-3,5-diones (I) were treated with PhMgBr to give 4-aryloxy-2,3-diphenyl-3-pyrazolin-3-ones II (R = H, 2-, 3-, or 4-Me). With benzylamine and piperidine, RC6H4NHN:C(COR1)COR2 (III, R1 = PhCH2NH, R2 = H2NNH; R1 = piperidino, R2 = H2NNH), resp. were obtained. The reaction of I with hydrazine hydrate gave III (R1 = H2NNH, R2 = H2NNH; R1 = R2 = H2NNH), depending on reaction conditions. Similarly, phenylhydrazine reacted with I to give the hydrazides III (R1 = PhNHNH,

R2 = H2NNH; R = R1 = PhNHNH). Reaction of I with diazomethane affords the methoxy derivs. IV. Structure assignments were made on the basis of elemental and spectral (ir and uv) data.

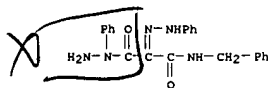
IT 42468-97-3P 42468-98-4P 42468-99-5P

42469-00-1P

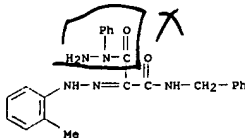
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 42468-97-3 CAPLUS  
CN Propanoic acid, 2-[(2-methylphenyl)hydrazono]-3-oxo-3-[(phenylmethyl)amino]-, 1-phenylhydrazide (9CI) (CA INDEX NAME)

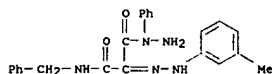


RN 42468-98-4 CAPLUS  
CN Propanoic acid, 2-[(2-methylphenyl)hydrazono]-3-oxo-3-[(phenylmethyl)amino]-, 1-phenylhydrazide (9CI) (CA INDEX NAME)

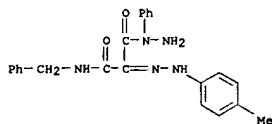


RN 42468-99-5 CAPLUS  
CN Propanoic acid, 2-[(3-methylphenyl)hydrazono]-3-oxo-3-[(phenylmethyl)amino]-, 1-phenylhydrazide (9CI) (CA INDEX NAME)

L7 ANSWER 23 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
[(phenylmethyl)amino]-, 1-phenylhydrazide (9CI) (CA INDEX NAME)



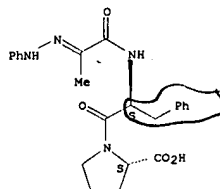
RN 42469-00-1 CAPLUS  
CN Propanoic acid, 2-[(4-methylphenyl)hydrazono]-3-oxo-3-[(phenylmethyl)amino]-, 1-phenylhydrazide (9CI) (CA INDEX NAME)



L7 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1970:466882 CAPLUS  
DOCUMENT NUMBER: 73:66882  
TITLE: Derivatives of substituted 2-alkoxy-2-phenylacetamidocarboxylic acids  
AUTHOR(S): Lucente, Gino; Lucente, Giovanna M.; Pantanella, Franco; Romeo, Aurelio  
CORPORATE SOURCE: Ist. Chim. Farm. Tossicol., Univ. Roma, Rome, Italy  
SOURCE: Annali di Chimica (Rome, Italy) (1970), 60(4), 259-71  
CODEN: ANCRAI; ISSN: 0003-4592  
DOCUMENT TYPE: Journal  
LANGUAGE: Italian  
GI For diagram(s), see printed CA Issue.  
AB Pseudoxazolinones (I) are heated with alkanols R1OH to give R(R1O)C(NHCOCH2Ph)CO2R1 (R is H, Me, Ph, or an aralkyl group). A dipeptide derivative prepared from L-(-)-phenylalanine is treated with L-proline Me ester to give II.  
IT 28332-92-5P  
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)  
RN 28332-92-5 CAPLUS  
CN Proline, 1-(3-phenyl-N-pyruvoyl-L-alanyl)-, mono(phenylhydrazono), L- (6CI, 8CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.

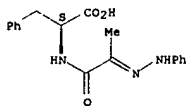


W = Subst. alkyl

L7 ANSWER 25 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

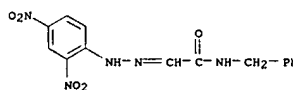
ACCESSION NUMBER: 1968:503383 CAPLUS  
DOCUMENT NUMBER: 69:103383  
TITLE: Histidine decarboxylase of Lactobacillus 30a. IV. The presence of covalently bound pyruvate as the prosthetic group  
AUTHOR(S): Riley, W. Dixon; Snell, Edmond E.  
CORPORATE SOURCE: Univ. of California, Berkeley, CA, USA  
SOURCE: Biochemistry (1968), 7(10), 3520-8  
CODEN: BICHAW; ISSN: 0006-2960  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Histidine decarboxylase (I) from Lactobacillus 30a did not require pyridoxal phosphate for activity but was inhibited by reduction with Na borohydride or by incubation with phenylhydrazine. In the latter reaction, 3 moles of phenylhydrazine-14C reacted/mole of enzyme to form a protein phenylhydrazone. This reaction was prevented by preliminary reduction with Na borohydride, and also by the substrate, L-histidine, but not by D-histidine. These findings indicated that a carbonyl group forms part of the active center of the enzyme. When the enzyme was reduced with tritiated Na borohydride, tritiated lactate could be isolated from hydrolyzates of the reduced protein, indicating that the unreduced enzyme contains bound pyruvate. There were indications that pyruvate is combined with a phenylalanine residue of the protein by an amide linkage. N-Pyruvoylphenylalanine, synthesized by nonenzymic transamination of alanylphenylalanine with pyridoxal, was converted into its phenylhydrazone and proved identical with the phenylhydrazone isolated from I in chromatographic, electrophoretic, and spectral properties. There were indications that the five pyruvoylphenylalanine residues in I occupy the terminus of 5 of the 10 peptide chains of this enzyme. A mechanism for the participation of pyruvate in the decarboxylation of histidine similar to that suggested for the participation of pyridoxal phosphate in the catalytic action of other amino acid decarboxylases was discussed.  
IT 20754-71-6P  
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)  
RN 20754-71-6 CAPLUS  
CN Alanine, 3-phenyl-N-pyruvoyl-, mono(phenylhydrazono), L- (8CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.



L7 ANSWER 26 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

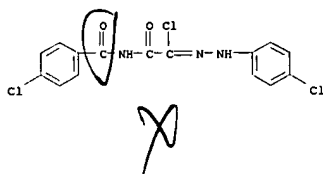
ACCESSION NUMBER: 1967:473546 CAPLUS  
DOCUMENT NUMBER: 67:73546  
TITLE: Synthesis of methyl benzylpenicillinate  
AUTHOR(S): Janssen, Alexander B. A.; Robinson, Robert  
CORPORATE SOURCE: Dyson Perrins Lab., Oxford, UK  
SOURCE: Monatshefte fuer Chemie (1967), 98(3), 1017-26  
CODEN: MOCHAP  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
GI For diagram(s), see printed CA Issue.  
AB 2-Phenylloxazolone [0.54 g.] treated with 0.58 g. 4-methoxycarbonyl-5,5-dimethyl-2-thiazoline (I) in pyridine, and poured into HCl gave 0.35 g. Me phenylpenicillinate (Ia), m. 110-30°. When the reaction was carried out in Et2O, Me phenylpenicillinate (II), m. 120-1°, was obtained. II was also obtained by the reaction of d-penicillamine Me ester-HCl and 2-phenyl-4-(ethoxymethylene)-oxazolone. II (0.2 g.) in 10 ml. MeOH was refluxed with Raney Ni for 3 hrs. to give 0.15 g. Me phenylthiopenicillinate, m. 118-19°. A mixture of 12 g. phenyl(bromoacetyl)glycine, 100 ml. Ac2O, and 30 ml. pyridine was kept at 0° for 30 min., then stirred into ice, and processed as usual to give 4.1 g. 2-benzylidenepseudoxazolone (III), m. 86-8°. III (3 g.) in 160 ml. dry Et2O was hydrogenated over Raney Ni at 75 atmospheric to give 2-benzylloxazolone, b.p. 90-100°; anilide m. 155-7°. A mixture of 1 ml. PhCH2NH2, 0.5 g. III, and 10 ml. C6H6 was kept 4 days to give α-(benzylamino)phenaceturic benzylamide, m. 142-3°. III (0.5 g.) kept in 1 ml. PhNH2 in 10 ml. C6H6 gave after 3 days α-anilinothiopenaceturic anilide, m. 165-6°. A mixture of 0.8 g. 2-benzylloxazolone in 8 ml. Et2O and 0.8 g. I in 10 ml. dry C6H6 was distilled until the vapor temperature reached 60°, and then refluxed 20 hrs. to give Me benzylpenicillinate (IV), m. 149-50°. A mixture of 0.9 g. benzalaniline, 0.8 g. 2-phenylloxazolone, and 10 ml. dry pyridine was kept 15 min. to give α-benzamidocinnamic anilide, m. 229-31°.  
IT 15545-36-3P  
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)  
RN 15545-36-5 CAPLUS  
CN Glyoxylamide, N-benzyl-, 2-[(2,4-dinitrophenyl)hydrazono] (8CI) (CA INDEX NAME)



IDS#8

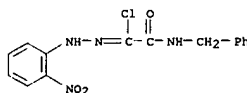
## L7 ANSWER 27 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1966:447426 CAPLUS  
 DOCUMENT NUMBER: 65:47426  
 ORIGINAL REFERENCE NO.: 65:8814a-d  
 TITLE: Reactions of chlorides of arylazochloroacetic acids with aromatic amines, amides, and acid hydrazides  
 AUTHOR(S): Lozinskii, M. O.; Pel'kis, P. S.  
 CORPORATE SOURCE: Inst. Org. Chem., Kiev  
 SOURCE: Kh. Organ. Khim. (1966), 2(4), 692-7  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 AB Reaction of RC6H4NHN:CClCOCl with appropriate amines in hot C6H6 several hrs. gave RC6H4NHN: CCl-CONHC6H4R'-o (R and R' shown, resp.) o-MeO, PhNH, 47%, m. 158-9°; o-MeO, o-MeOC6H4NHN:CClCONH, 44%, m. 216-17°; p-Me, PhNH, 62%, m. 196-8°; p-Me, p-MeC6H4NHN:CClCONH, 26%, m. 238-40°; p-Cl, PhNH, 49%, m. 179-81°; p-Cl, p-ClC6H4NHN: CClCONH, 39%, m. 259°; o-O2N, PhNH, 45%, m. 199-200°; p-Me, OH, 87%, m. 230-1.5°; o-MeO, HO, 91%, m. 235-6°. Similar reaction with p-MeC6H4SO2NH2 in pyridine converted p-tolylazochloroacetyl chloride into 27% yellow p-ClC6H4NHN: CClCONHO2SC6H4Me-p, m. 226-6.5°; similarly were obtained the analogs: o-nitrophenyl, m. 163-5°; and: p-ClC6H4NHN:CClCONHO2SPh m. 237-8°; p-ClC6H4NHN: CClCONHCOC6H4Cl-p m. 263°. Reaction of o-methoxyphenylazochloroacetyl chloride with 2,4-dichlorophenoxyacetylhydrazide in CHCl3-pyridine 1 hr. gave RC6H4NHC:CClCONH-NHR' (R = o-MeO, R' = 2,4-Cl2C6H3OCH2CO), m. 160-1°. Similarly were prepared the analogs (R and R' shown): o-O2N, p-nicotinoyl, m. 215-16°; o-O2N, 2,4-Cl2C6H3OCH2CO, m. 190-1°; o-O2N, 2,3-(HO)C10H6CO, m. 249-51°; o-MeO, p-nicotinoyl, m. 171.5°; o-MeO, 2,3-(HO)C10H6CO, m. 251-2.5°; p-Me, 2,4-Cl2C6H3OCH2CO, m. 92-4°; p-Me, 2,3-(HO)C10H6CO, m. 238-9°; p-Cl, p-nicotinoyl, m. 146-7°; p-Cl, 2,4-Cl2C6H3OCH2CO, m. 94-6°; p-Cl, 2,3-(HO)C10H6CO, m. 261-2°; o-O2N, p-MeC6H4SO2, m. 225-6°; o-MeO, p-MeC6H4SO2, m. 207-9°; p-Me, p-MeC6H4SO2, m. 192-3. Ir spectra reported.  
 IT 6767-92-6, Oxamoyl chloride, (p-chlorobenzoyl)-, 1-[(p-chlorophenyl)hydrazone] (preparation of)  
 RN 6767-92-6 CAPLUS  
 CN Oxamoyl chloride, (p-chlorobenzoyl)-, 1-[(p-chlorophenyl)hydrazone] (7CI, 8CI) (CA INDEX NAME)



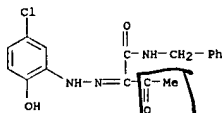
## L7 ANSWER 28 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1966:51709 CAPLUS  
 DOCUMENT NUMBER: 64:51709  
 ORIGINAL REFERENCE NO.: 64:9619c-e  
 TITLE: Condensation and cyclization of arylazochloroacetic acids. V. Chlorides, arylamides, and acylhydrazides of arylazochloroacetic acids  
 AUTHOR(S): Lozinskii, M. O.; Pel'kis, P. S.  
 CORPORATE SOURCE: Inst. Org. Chem., Kiev  
 SOURCE: Zhurnal Obshchei Khimii (1965), 1(11), 1976-80  
 CODEN: ZOKRA4; ISSN: 0044-460X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 AB cf. CA 64, 5063e. Heating arylazochloroacetic acids with 5 moles SOCl2 4 hrs. gave 21-76% ArNHN:CClCOCl: o-MeOC6H4, m. 131°; p-MeC6H4, m. 122-3°; o-ClC6H4, m. 114-15°; o-BrC6H4, m. 122°; o-IC6H4, m. 112-5°; m-ClC6H4, m. 155°; p-ClC6H4, m. 161-2°; p-BrC6H4, m. 150°; o-O2NC6H4, m. 146-7.5°; 2,5MeO(O2N)C6H3, m. 185-7°. Treatment of these with aryl amines in Me2CO 2 hrs. gave the amides RC6H4NHN:CClCOR' (R, R', and m.p. shown): p-Me, p-ClC6H4NH, m. 176-7.5°; p-Cl, p-NCSC6H4NH, m. 187-8.5°; o-O2N, m-MeC6H4NH, m. 166-7.5°; o-O2N, o-MeOC6H4NH, m. 212-13°; o-O2N, o-ClC6H4NH, m. 170-1°; o-O2N, m-ClC6H4NH, m. 190-2°; o-O2N, PhCH2NH, m. 154°; o-O2N, N-morpholinyl, m. 152-3°; the yields were 13-66%. Treatment of the chlorides with NCCH2CONHNH2 in pyridine-CHCl3 at reflux 25 min. gave 45-75%: RC6H4NHN:CClCONHNHCOR' (R, R', and m.p. shown): o-MeO, CH2CN, m. 219-20.5°; p-Me, CH2CN, m. 227-8°; p-Cl, CH2CN, m. 227-9°; o-O2N, CH2CN, m. 240.5-42°. Similarly prepared were the following analogs: o-MeO, Ph, m. 192-4°; p-Me, Ph, m. 204-6°; p-Cl, Ph, m. 186-7°; o-O2N, Ph, m. 210-11.5°. Ir and uv spectra were reported.  
 IT 4912-50-9, Oxamoyl chloride, benzyl-, 1-[(o-nitrophenyl)hydrazone] (preparation of)  
 RN 4912-50-9 CAPLUS  
 CN Oxamoyl chloride, benzyl-, 1-[(o-nitrophenyl)hydrazone] (7CI, 8CI) (CA INDEX NAME)

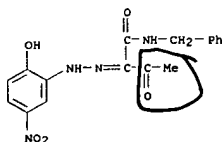


## L7 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1964:28181 CAPLUS  
 DOCUMENT NUMBER: 60:28181  
 ORIGINAL REFERENCE NO.: 60:4964h, 4965a  
 TITLE: Absorption spectra of azo dyes and their metal complexes. V. The electronic absorption spectra of metal-complexed hydroxyphenylazochloroacetoacetbenzylamides  
 AUTHOR(S): Yagi, Yoshiharu  
 CORPORATE SOURCE: Sumitomo Chem. Co., Ltd., Osaka  
 SOURCE: Bulletin of the Chemical Society of Japan (1963), 36(5), 512-17  
 CODEN: BCSJAB; ISSN: 0009-2673  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 AB TheCr(III)andCo(III) complexes of α-(5-chloro-2-hydroxyphenylazo)acetoacetbenzylamide and other α-(phenylazo)acetoacetbenzylamides (I) were prepared. Examination of the characteristic electronic absorption bands of I showed hypsochromic and hypochromic displacements, indicative of increased ionic character as compared to the metal complexes of α-(phenylazo)acetoacetanilides.  
 IT 93313-67-8, Butyramide, N-benzyl-2,3-dioxo-, 2-[(5-chloro-2-hydroxyphenyl)hydrazone] 94540-39-3, Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-nitrophenyl)hydrazone] (spectrum and structure of)  
 RN 93313-67-8 CAPLUS  
 CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(5-chloro-2-hydroxyphenyl)hydrazone] (7CI) (CA INDEX NAME)

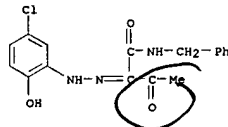


RN 94540-39-3 CAPLUS  
 CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-nitrophenyl)hydrazone] (7CI) (CA INDEX NAME)



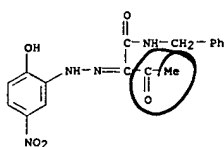
## L7 ANSWER 30 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1964:28180 CAPLUS  
 DOCUMENT NUMBER: 60:28180  
 ORIGINAL REFERENCE NO.: 60:4964g-h  
 TITLE: Absorption spectra of azo dyes and their metal complexes. IV. The effects of substituents on the absorption spectra of chromium(III) and cobalt-(III) complexes of hydroxyphenylazochloroacetoacetanilides  
 AUTHOR(S): Yagi, Yoshiharu  
 CORPORATE SOURCE: Sumitomo Chem. Co., Ltd., Osaka  
 SOURCE: Bulletin of the Chemical Society of Japan (1963), 36(5), 506-12  
 CODEN: BCSJAB; ISSN: 0009-2673  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 AB The effect of substitution in the Ph ring of various α-(2-hydroxyphenylazo)acetoacetanilides (I) on metal complex formation was investigated. Based on shifts of the 4 characteristic absorption bands, it was found that the substituent ortho or para to the M-O (M = metal, O = phenolic oxygen) bond generally altered the polarity of the M-O bond. Substituents meta to the M-O bond contributed to the dx-pπ interaction between the hydrazone group and the M atom. The complexes were prepared by treatment of I with either Cr formate or CoSO4 (2:1) in the usual manner and were purified by column chromatography, utilizing activated alumina and EtOH.  
 IT 93313-67-8, Butyramide, N-benzyl-2,3-dioxo-, 2-[(5-chloro-2-hydroxyphenyl)hydrazone] 94540-39-3, Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-nitrophenyl)hydrazone] (complexes with Cr and Co, spectra and structure of)  
 RN 93313-67-8 CAPLUS  
 CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(5-chloro-2-hydroxyphenyl)hydrazone] (7CI) (CA INDEX NAME)

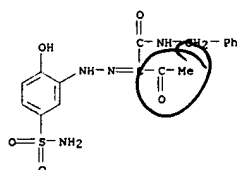


RN 94540-39-3 CAPLUS  
 CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-nitrophenyl)hydrazone] (7CI) (CA INDEX NAME)

L7 ANSWER 30 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 94711-60-1, Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-sulfamoylphenyl)hydrazono]  
(complexes with metals, spectra and structure of)  
RN 94711-60-1 CAPLUS  
CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-sulfamoylphenyl)hydrazono] (7CI) (CA INDEX NAME)



(spectrum and structure of

L7 ANSWER 31 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1964:28179 CAPLUS  
DOCUMENT NUMBER: 60:28179  
ORIGINAL REFERENCE NO.: 60:4964f-g  
TITLE: Absorption spectra of azo dyes and their metal complexes. III. The electronic absorption spectra of metal complexes derived from hydroxyphenylazoacetanilides

AUTHOR(S): Yagi, Yoshiharu  
CORPORATE SOURCE: Sumitomo Chem. Co., Ltd., Osaka  
SOURCE: Bulletin of the Chemical Society of Japan (1963), 36(5), 500-6  
CODEN: BCSJAB; ISSN: 0009-2673

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB The electronic absorption spectra of metal complexes of 2-(2-hydroxy-5-(N-ethylsulfamoyl)phenylazo)acetanilide, 4-(5-chloro-2-hydroxyphenylazo)acetanilide, and other ligand dyes exhibit 4 characteristic bands which are also found in the resp. ligand-dye spectra. Complexes of Co(III), Fe(III), Cr(III), and Al were prepared and a structure is based on the bathochromic shifts of the ligand bands.

IT 93818-88-3, Butyramide, N-benzyl-2,3-dioxo-, 2-phenylhydrazono

94540-39-3, Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-nitrophenyl)hydrazono] 94711-60-1, Butyramide,

N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-sulfamoylphenyl)hydrazono]

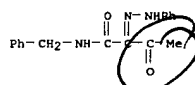
94959-91-8, Butyramide, N-benzyl-2,3-dioxo-, 2-[(o-hydroxyphenyl)hydrazono] 94995-44-5, Butyramide,

N-benzyl-2,3-dioxo-, 2-[(6-hydroxy-m-tolyl)hydrazono]

(spectrum and structure of)

RN 93818-88-3 CAPLUS

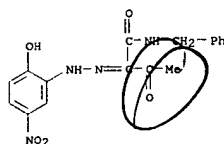
CN Butanamide, 3-oxo-2-(phenylhydrazono)-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



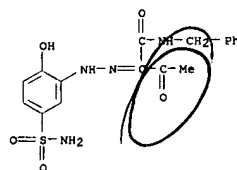
RN 94540-39-3 CAPLUS

CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-nitrophenyl)hydrazono] (7CI) (CA INDEX NAME)

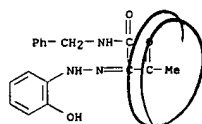
L7 ANSWER 31 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 94711-60-1 CAPLUS  
CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-sulfamoylphenyl)hydrazono] (7CI) (CA INDEX NAME)

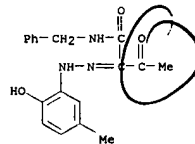


RN 94959-91-8 CAPLUS  
CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(o-hydroxyphenyl)hydrazono] (7CI)  
(CA INDEX NAME)



RN 94995-44-5 CAPLUS  
CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(6-hydroxy-m-tolyl)hydrazono] (7CI)  
(CA INDEX NAME)

L7 ANSWER 31 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L7 ANSWER 32 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1964:28178 CAPLUS  
DOCUMENT NUMBER: 60:28178  
ORIGINAL REFERENCE NO.: 60:4964e-f  
TITLE: Absorption spectra of azo dyes and their metal complexes. II. The absorption spectra of hydroxyphenylazoacetanilides and its derivatives

AUTHOR(S): Yagi, Yoshiharu  
CORPORATE SOURCE: Sumitomo Chem. Co., Ltd., Osaka  
SOURCE: Bulletin of the Chemical Society of Japan (1963), 36(5), 492-500  
CODEN: BCSJAB; ISSN: 0009-2673

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB The effects of substituents in the Ph ring of  $\alpha$ -phenylazoacetanilides (I) were investigated. The phenolic 2-OH group

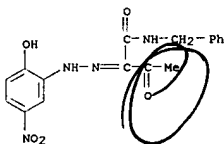
forms an intramol. H bond with a hydrazone N atom in the solid state and in nonpolar solvents. The following azoacetanilides were prepared: 1-acetoacetyl-amino-2-methoxy-5-methylbenzene, m. 82° (EtOH); 1-acetoacetyl-amino-2-chloro-6-methylbenzene, m. 123-4° (50% EtOH); aceto-acetylbenzylamine, m. 102-3° acetoacet-n-hexylamide, m. 52°. Treatment of the above compds. with diazotized phenols [i.e. 2-amino-4-(N-ethylsulfamoyl)phenol, m. 128°] gave I as  $\alpha$ -(2-methoxyphenylazo)acetanilide and  $\alpha$ -(2-hydroxy-5-sulfamoylphenylazo)acetanilide-2-methoxy-5-methylanilide. An explanation is given for the relation between absorption band displacements and positions

of substituents in the phenolic ring.

IT 94540-39-3, Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-nitrophenyl)hydrazono] 94711-60-1, Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-sulfamoylphenyl)hydrazono] 94959-91-8, Butyramide, N-benzyl-2,3-dioxo-, 2-[(6-hydroxyphenyl)hydrazono] 94995-44-5, Butyramide, N-benzyl-2,3-dioxo-, 2-[(6-hydroxy-m-tolyl)hydrazono] (spectrum and structure of)

RN 94540-39-3 CAPLUS

CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-nitrophenyl)hydrazono] (7CI) (CA INDEX NAME)



RN 94711-60-1 CAPLUS

CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(2-hydroxy-5-sulfamoylphenyl)hydrazono] (7CI) (CA INDEX NAME)

L7 ANSWER 33 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1961:27902 CAPLUS  
DOCUMENT NUMBER: 55:27902  
ORIGINAL REFERENCE NO.: 55:5503b-h  
TITLE: A rearrangement reaction of pyruvoylamine acid

AUTHOR(S): Wieland, Theodor; Heinke, Barbel; Shin, Kju Hi  
CORPORATE SOURCE: Univ. Frankfurt, Germany  
SOURCE: Chemische Berichte (1960), 93, 3027-35  
CODEN: CHBEAM; ISSN: 0009-2940

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB Thiophenyl esters (II) of N-pyruvoylamine acids were isomerized in the presence of bases to derive of 2-phenylthio-3,6-dioxomorpholine (III). From AcCO<sub>2</sub>H and the appropriate amino acid derivs. were prepared by the POC13 method the following ACCONHCHRCOX (III) (R, X, m.p., % yield, and m.p. of the p-nitrophenylhydrazono given): H, p-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>CH<sub>2</sub>O, 93-4°, 40, 214-15° (decomposition); H, SPh (IV), 45°, 25, 222-3°; Me, PhCH<sub>2</sub>O, 42°, 39, 169°; Me, PhO, 41-2°, 14, 172-6°; Me, p-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>O, 117-18°, 23, -; Me, PhS (V), 76-7°, 33, - (2,4-dinitrophenylhydrazono m. 156-8°); Me, p-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>S, 107-8°, 15, -; iso-Pr, PhS (VII), 55-6°, 21, -; iso-Bu, PhS (VIII), 107-8°, 37, 155-6°; PhCH<sub>2</sub>O, PhCH<sub>2</sub>O, 67-8°, 33, 150-4°. Carbobenzyloxylglycine with p-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>CH<sub>2</sub>Cl yielded 40% p-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>CH<sub>2</sub>O<sub>2</sub>CCH<sub>2</sub>NHOCOC<sub>2</sub>H<sub>5</sub> (VIII), m. 111-12° (EtOAc-petr. ether). VIII with HBr-AcOH gave 70% VIII.HBr, m. 194° (MeOH-Et<sub>2</sub>O). Carbobenzyloxylalanine (IX) and PhOH with POC13 gave 65% Ph ester (X) of IX, m. 83-4° (EtOAc-petr. ether); X.HBr m. 118° (decomposition) (MeOH-Et<sub>2</sub>O), 86%. IX with piperidine and ClCO<sub>2</sub>Et yielded 70% piperidide (XI) of IX, m. 69-70° (EtOAc-petr. ether), which with HBr-AcOH yielded 95% alanine piperidide-HBr, m. 183-4° (MeOH-Et<sub>2</sub>O). The appropriate amino compound and Me<sub>2</sub>CHCO<sub>2</sub>CH<sub>3</sub> in CH<sub>2</sub>Cl<sub>2</sub> treated with dicyclohexylidicarbodiimide gave the following Me<sub>2</sub>CHCOCONHCHRCOX (same data given): H, PhCH<sub>2</sub>O, 49-50° (petr. ether-EtOAc), 36, 99°; H, PhS, 58-9° (petr. ether), 6, 156° (decomposition); Me, PhS (XII), 44-8° (petr. ether-EtOAc), below 10, 165°; PhCH<sub>2</sub>O, PhS, 97° (petr. ether-EtOAc), below 10, 159°. IV (0.01 mole) in 50 cc. tetrahydrofuran and 0.01 mole NaHCO<sub>3</sub> treated with H<sub>2</sub>O to a clean solution and evaporated after 24 hrs.

gave 10% 2-Me derivative (XIII) of II, needles, m. 175° (EtOAc). V (0.01 mole) in 50 cc. tetrahydrofuran and 0.01 mole NaHCO<sub>3</sub> gave similarly within 10 min. the 2,5-di-Me derivative (XIV) of II, m. 217° (EtOAc). V (0.01 mole) in 50 cc. tetrahydrofuran (or Et<sub>2</sub>O) and 0.01 mole Et<sub>3</sub>N kept 24 hrs. gave 38% XIV. XIV with p-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>NHNH<sub>2</sub> in warm HCl in aqueous MeOH gave

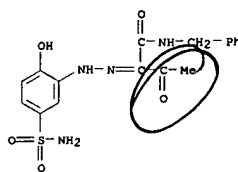
the derivative of pyruvoylalanine, m. 245° (decomposition). VI gave in the usual manner in the presence of an equivalent amount of NaHCO<sub>3</sub> or Et<sub>3</sub>N less than

1% 5-iso-Pr derivative of XIII, needles, m. 140-1° (EtOAc-petr. ether). VII isomerized in the presence of NaHCO<sub>3</sub> gave 33% 5-iso-Bu derivative of XIII,

m. 140-1° (EtOAc-petr. ether). XII gave similarly the 5-methyl-2-isopropyl derivative of II, m. 149-50° (EtOAc-petr. ether). V (0.003 mole) in 50 cc. tetrahydrofuran and 1.0 cc. piperidine kept 26 hrs. at 20° evaporated in vacuo, the residue triturated with H<sub>2</sub>O, filtered, the filtrate adjusted to pH 4, extracted continuously with

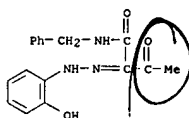
Et<sub>2</sub>O, the residue dissolved in about 20 cc. H<sub>2</sub>O, basified with NaHCO<sub>3</sub>, extracted with

L7 ANSWER 32 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



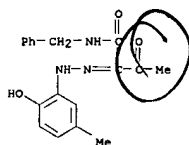
RN 94959-91-8 CAPLUS

CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(6-hydroxyphenyl)hydrazono] (7CI) (CA INDEX NAME)



RN 94995-44-5 CAPLUS

CN Butyramide, N-benzyl-2,3-dioxo-, 2-[(6-hydroxy-m-tolyl)hydrazono] (7CI) (CA INDEX NAME)



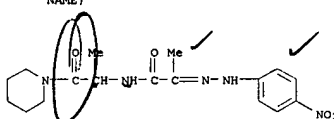
L7 ANSWER 33 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Et<sub>2</sub>O, and the ext. worked up gave 27% oily pyruvoylalanine piperidide; p-nitrophenylhydrazono m. 238°. AcCO<sub>2</sub>H (0.01 mole) and 0.1 mole dicyclohexylcarbodiimide in 40 cc. tetrahydrofuran concd. in vacuo to 7 cc., cooled to -15°, filtered, evapd., the residue dissolved in H<sub>2</sub>O, and fractionally pptd. with H<sub>2</sub>O gave N-pyruvoyl-N,N'-dicyclohexylurea, m. 138-9° (decomp.) (aq. EtOH). The infrared absorption spectra of V and XIV were recorded.

IT 109843-39-2, Piperidine, 1-N-pyruvoylalaninyl-, (p-nitrophenyl)hydrazono (preparation of)

RN 109843-39-2 CAPLUS

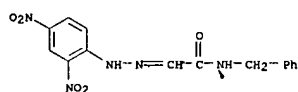
CN Piperidine, 1-N-pyruvoylalaninyl-, (p-nitrophenyl)hydrazono (6CI) (CA INDEX NAME)



X ≠ W

L7 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1956:77674 CAPLUS  
 DOCUMENT NUMBER: 50:77674  
 ORIGINAL REFERENCE NO.: 50:14628f-1,14629a  
 TITLE: Synthesis of peptides containing the residues of  $\alpha$ -hydroxy- $\alpha$ -amino acids  
 AUTHOR(S): Shemyakin, M. M.; Ravdel, G. A.; Chaman, E. S.  
 SOURCE: Doklady Akademii Nauk SSSR (1956), 107, 706-9  
 CODEN: DANKAS; ISSN: 0002-3264  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 G1 For diagram(s), see printed CA Issue.  
 AB Addition of 2.5 g. Br<sub>2</sub> in (CH<sub>2</sub>Cl)<sub>2</sub> at 5° to 5 g. CH<sub>2</sub>.CO.O.CPh:N, separation of the HBr salt precipitate and addition to the filtrate at 2° over 10 min. of 1.7 g. HOCH<sub>2</sub>CO<sub>2</sub>Et in (CH<sub>2</sub>Cl)<sub>2</sub>, stirring 1 hr. and diluting with H<sub>2</sub>O gave 40% PhCONHCH(OH)CO<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Et (I), m. 111-13° (from H<sub>2</sub>O), which shaken with PhCH<sub>2</sub>NH<sub>2</sub> in EtOAc 2 hrs. gave 86% PhCONHCH(OH)CONHCH<sub>2</sub>Ph, decompose 152-3° (from EtOH), which shaken 3 hrs. with 0.5N aqueous alc. NaOH gave glyoxylic acid benzylamide, isolated as the 2,4-dinitrophenylhydrazone, decompose 185-7° (from EtOH). Heating 0.45 g. H<sub>2</sub>NCH<sub>2</sub>CO<sub>2</sub>Et.HCl with 0.31 g. Et<sub>3</sub>N in MeCN 5 min. at 50°, cooling and adding 0.6 g. I gave 56% PhCONHCH(OH)CONHCH<sub>2</sub>CO<sub>2</sub>Et, m. 127-9° (from H<sub>2</sub>O), which shaken 3 hrs. with N NaOH gave 63% benzamide, while the filtrate was acidified and treated with 2,4-dinitrophenylhydrazine yielding the 2,4-dinitrophenylhydrazone of N-glyoxylylglycine, m. 214-15° (from EtOH). I (0.25 g.) in EtOAc treated with PhCH<sub>2</sub>CH(NH<sub>2</sub>)CO<sub>2</sub>Et 16 hrs. at room temperature gave oily BzNHCH(OH)CONHCH(CH<sub>2</sub>Ph)CO<sub>2</sub>Et, which after alkaline hydrolysis and treatment with 2,4-dinitrophenylhydrazine gave the 2,4-dinitrophenylhydrazone of N-glyoxylylphenylalanine, decompose 198-200° (from EtOH). BzNHCH(CO<sub>2</sub>H)OCMe<sub>3</sub>.H<sub>2</sub>O heated with excess Ac<sub>2</sub>O 2 hrs. at 90° gave the corresponding oxazolinone which was heated with PhNH<sub>2</sub> in (CH<sub>2</sub>Cl)<sub>2</sub> 2 hrs. at 30-40° yielding 25% BzNHCH(CONHPh)OCMe<sub>3</sub>, m. 176-7°. A similar reaction with H<sub>2</sub>NCH<sub>2</sub>CO<sub>2</sub>Et.HCl in the presence of Et<sub>3</sub>N gave 28% BzNHCH(CONHCH<sub>2</sub>CO<sub>2</sub>Et)OCMe<sub>3</sub>, m. 161-3° (from Me<sub>2</sub>CO), which shaken 3 hrs. with N NaOH gave BzNHCH(CONHCH<sub>2</sub>CO<sub>2</sub>H)OCMe<sub>3</sub> monohydrate, m. 104-9° (from H<sub>2</sub>O). PhCH<sub>2</sub>CH(NH<sub>2</sub>)CO<sub>2</sub>Et in the above coupling gave oily BzNHCH(CONH(CH<sub>2</sub>Ph)CO<sub>2</sub>Et)OCMe<sub>3</sub>, which shaken with N NaOH 3 hrs. gave a crude peptide, purified by repeated precipitation from NaHCO<sub>3</sub> with acid; the pure compound m. 64-8°.  
 IT 15545-36-5, Glyoxylamide, N-benzyl-, 2,4-dinitrophenylhydrazone (preparation of)  
 RN 15545-36-5 CAPLUS  
 CN Glyoxylamide, N-benzyl-, 2-[(2,4-dinitrophenyl)hydrazone] (8CI) (CA INDEX NAME)

L7 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

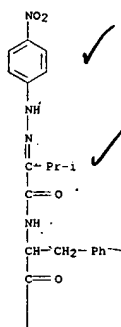


L7 ANSWER 35 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1951:47036 CAPLUS  
 DOCUMENT NUMBER: 45:47036  
 ORIGINAL REFERENCE NO.: 45:8021f-1,8022a-f  
 TITLE: Ergot alkaloids. XX. The polypeptide portion of the ergot alkaloids. 2. Partial alkaline hydrolysis of the ergot alkaloids  
 AUTHOR(S): Stoll, A.; Hofmann, A.  
 CORPORATE SOURCE: Sandoz, Basel, Switz.  
 SOURCE: Helvetica Chimica Acta (1950), 33, 1705-11  
 CODEN: HCACAV; ISSN: 0018-019X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 AB cf. preceding abstract Part 16 (preceding abstract) describes the splitting of the ergot alkaloids of the polypeptide type with N<sub>2</sub>H<sub>4</sub>. The peptide fraction occurs as an acylated dipeptide. With N<sub>2</sub>H<sub>4</sub>, one of the 3 moieties is reduced to a fatty acid. Thus, ergotamine (I) yielded N-(N-propionyl-L-phenylalanyl)-L-proline and ergocornine (II) yielded N-(N-isovaleryl-L-valyl)-L-proline. Careful partial hydrolysis with 1 equivalent of aqueous-alc. KOH was successful in splitting the alkaloid so that the polypeptide fragment contained the keto acid while the lysergic acid precipitated as the amide. Thus I yielded N-(N-pyruvyl-L-phenylalanyl)-L-proline; II gave N-(N-dimethylpyruvyl-L-valyl)-L-proline; and ergocristine yielded N-(N-dimethylpyruvyl-L-phenylalanyl)-L-proline. This hydrolysis shows that it is not a simple hydrolysis of an ester or acid amide. The labile part of the alkaloid is transformed into the pyruvic acid residue while its amino group remains bound to the carboxyl of the lysergic acid. The structure of the peptide obtained by this partial hydrolysis was evident on cleaving with concentrated HCl, whereby L-phenylalanine, L-valine, and L-proline were isolated, and by the alkaline hydrolysis which gave pyroracemic acid and dimethylpyroracemic acid. The existence of a keto group in the new acid was proven by the formation of a crystalline p-nitrophenylhydrazone. In these dipeptides, proline is at the end of the peptide chain. Proline has the L-configuration here, while complete hydrolysis of the ergot alkaloid with HCl converts it to the D-form. Also, in the diketopiperazine formed by the thermal splitting of the alkaloid, proline has the D-configuration. The partial hydrolysis also proceeds as expected with the dihydro alkaloid. The complete separation of the stable dihydrolysergamide from the hydrolyzate is easier than the isolation of lysergamide, which rearranges portionwise to the iso-form and in larger quantities is subject to oxidative decomposition. The yield of pure hydrolysis product is better from the dihydro alkaloid, so the exptl. work is limited to the hydrolysis of the dihydro derivative. When 4 g. dihydroergocristine was refluxed with 8 cc. alc. and 5 cc. 1.44 N KOH, dihydrolysergamide began crystallizing in 5 min.; 7 cc. H<sub>2</sub>O was added, the refluxing continued 1 hr., the solution cooled, 0.87 g. of the amide filtered off, and more amide removed by 2 extns. of the filtrate with CHCl<sub>3</sub> to give

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 a total of 1.34 g., [α]<sub>D</sub><sup>20</sup> -125° (C<sub>5</sub>H<sub>5</sub>N). The alk. aq. mother liquor was acidified to Congo red with concd. HCl, extd. 3 times with CHCl<sub>3</sub>, and the CHCl<sub>3</sub> ext. concd. to give 1.45 g. crude N-(N-dimethylpyruvyl-L-phenylalanyl)-L-proline as a bright yellow sirup, which was dissolved in 10 cc. MeOH, dild. with 20 cc. H<sub>2</sub>O, concd. in vacuo to 10 cc., let stand a short while at 0°, decanted, the gummy acid amide reprecip. again, dried in a high vacuum, dissolved in 50 cc. Et<sub>2</sub>O, filtered, and the filtrate concd. to dryness to yield a white mass (III) that could not be crystd., [α]<sub>D</sub><sup>20</sup> -36° (EtOH); p-nitrophenylhydrazone, m. 164° (from AcOEt). III (0.2 g.) in 50 cc. concd. HCl was refluxed 16 hrs., the concd. residue dechlorinated with Ag<sub>2</sub>CO<sub>3</sub> in the usual way, and the amino acid residue digested with alc., leaving 60 mg. of L-phenylalanine, m. 230° (from H<sub>2</sub>O), [α]<sub>D</sub><sup>20</sup> -30° (H<sub>2</sub>O). The alc.-sol. portion yielded partly racemized L-proline, m. 200-10°, [α]<sub>D</sub><sup>20</sup> -20°, identified by the typical CdCl<sub>2</sub> double salt. III (50 mg.) was refluxed 1 hr. with 1.5 cc. 0.5 N KOH, acidified to Congo red, extd. with Et<sub>2</sub>O, and the Et<sub>2</sub>O residue converted to the phenylhydrazone, m. 146° (from AcOH-H<sub>2</sub>O), identical with the phenylhydrazone of dimethylpyroracemic acid. Dihydroergocornine processed similarly gave N-(N-dimethylpyruvyl-L-valyl)-L-proline, [α]<sub>D</sub><sup>20</sup> -65° (alc.); p-nitrophenylhydrazone, m. 232°. Acid hydrolysis as above gave L-valine, [α]<sub>D</sub><sup>20</sup> 25° (20% HCl), and L-proline. Similarly dihydroergotamine gave racemic DL-N-(phenylalanyl)-proline lactam, m. 149°, and a pyruvyl dipeptide [N-(N-pyruvyl-L-phenylalanyl)-L-proline], [α]<sub>D</sub><sup>20</sup> -62° (H<sub>2</sub>O); p-nitrophenylhydrazone, m. 110-50°.  
 IT 102875-45-6, Proline, 1-[N-(3-methyl-2-oxobutyl)-3-phenyl-L-alanyl]-, p-nitrophenylhydrazone (preparation of)  
 RN 102875-45-6 CAPLUS  
 CN Proline, 1-[N-(3-methyl-2-oxobutyl)-3-phenyl-L-alanyl]-, (p-nitrophenyl)hydrazone (6CI) (CA INDEX NAME)

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ACCESSION NUMBER: 1928:25209 CAPLUS  
 DOCUMENT NUMBER: 22:25209  
 ORIGINAL REFERENCE NO.: 22:2922a-d  
 TITLE: Imide ring closure in derivatives of diketosuccinic acid phenylosazone  
 AUTHOR(S): Chattaway, Frederick D.; Humphrey, Wm. G.  
 CORPORATE SOURCE: Queen's College, Oxford, UK  
 SOURCE: Journal of the Chemical Society (1928) 1094-8  
 CODEN: JCSOA9; ISSN: 0368-1769  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 AB Diketosuccinic anhydride phenylosazone (I), fused with CO(NH2)2 for 10 min., gives diketosuccinimide phenylosazone, orange-yellow, m. 189°; it is stable towards HCl but with boiling aqueous NaOH gives 4,5-diketo-1-phenylpyrazoline-3-carboxylic acid 4-phenylhydrazide. I and PhCH2NH2 in Et2O give the benzylamine salt of benzylidiketosuccinamic acid phenylosazone, light yellow, m. 165° (decomposition); Ac2O gives I; AcOH or HCl gives benzylidiketosuccinimide phenylosazone, orange-yellow, m. 179°. Dibenzylamine salt, light yellow, m. 161-2° (decomposition), of dibenzylidiketosuccinamic acid phenylosazone, orange-yellow, m. 180°. PhNH2 and I, boiled 10 min., give a mixture of diketosuccinanilic acid phenylosazone, orange-yellow, m. 201° (decomposition), crystals. With 1 AcOH and m. 135-200°, according to rate of heating; the AcOH is removed by washing with Et2O or EtOH; and diketosuccinanil phenylosazone, orange-red, m. 252° (decomposition). PhNHNH2 and I in AcOH give diketosuccinophenylhydrazide phenylosazone, orange-yellow, m. 270° (decomposition); the phenylmethylhydrazide derivative, bright yellow, m. 243.5° (decomposition). The p-tolylhydrazide (corresponding to I) and PhNH2, boiled 1 min., give diketosuccinanil p-tolylhydrazide, yellow, m. 199° (decomposition); 2,4-dichlorophenylhydrazide, orange-yellow, m. 308° (decomposition); 2,4-dibromophenylhydrazide, orange, m. 309° (decomposition). Diketosuccinophenylhydrazide o-tolylphenylosazone, orange-yellow, m. 250° (decomposition); 2,4-dibromophenylhydrazide, orange-yellow, m. 295° (decomposition).  
 IT 856065-81-1, Succinamic acid, N,N-dibenzylidiketo-, phenylosazone (preparation of)  
 RN 856065-81-1 CAPLUS  
 CN Succinamic acid, N,N-dibenzylidiketo-, phenylosazone (3CI) (CA INDEX NAME)

